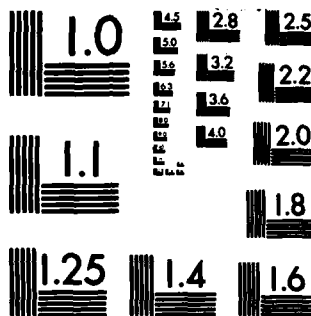


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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

STATION: #14611 Brunswick, ME
PERIOD: MONTHLY 1/73-12/82
MONTHLY 1/5-12/82
NO. NO. 72006 DATE August 1984

NO. NO. 72006

NO. NO. 72006

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) Brunswick, ME		5. TYPE OF REPORT & PERIOD COVERED Reference Report 1973-1982
7. AUTHOR(s) NA		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Oceanography Command Detachment Federal Building Asheville, NC 28801		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS Commanding Officer Naval Oceanography Command Facility NSTL, MS 39529-5002		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE August 1984
		13. NUMBER OF PAGES 358
		15. SECURITY CLASS. (of this report) Unclassified
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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S/N 0102- LF-014-6601

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

STATION NO OR SURVAY		STATION NAME		LONGITUDE		STATION ELEV. (FT)		CALL SIGN		WIND SYMBOL	
14611		Brunswick, Maine		43° 53' N		69° 56' W		75 NSL		KNHZ 74392	

NUMBER OF BAR. LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather Service Office	Navy	1951	1959	43° 53' N	69° 56' W	79'	Mercurial	24
2.	" " (replacement)	"	1959	1969	"	"	"	"	24
3.	" "	"	1969		"	"	"	"	24
1a.	" "	"	1960		"	"	81'	Aneroid	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	1951	Control tower roof	Selsyn	Triple	70'	1. Barograph (ML 3)
2.	1959	Six hundred feet on bearing of 330 degrees from building # 200	UMQ-5	RD-108	15'	2. Auto Met station (AN/GNQ-29) 3. Cloud height set (AN/GNQ-13) 4. Transmissometer (AN/GNQ-10C) 5. Radar Recorder Fax (RO 415 GMM) 6. RVR Converter, Display
						* Two sets in use.

NOCD, Federal Building
Asheville, NC

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAW data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than $5/8$ mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

STATION NAME: 5-7 YEARS: 1961 MONTH: 1961

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO. OF OBS.
1961	1961	.1	23.1	.1	4.1	.1	63.4	37.3	1.2	7.9		4.3	61
1962		.3	27.8	6.3	42.7	.1	77.6	37.4	17.	2.3		47.2	791
1963		.3	30.4	2.4	34.2		77.9	62.4	16.8	6.3		47.8	668
1964		1.4	27.8	.3	14.4	.4	53.6	51.4	22.3	.1	.4	56.1	643
1965		.5	4.4	.1	1.7	.1	54.5	75.3	24.7		.1	61.2	662
1966		17.3	52.3			.4	62.9	43.4	44.2		.4	71.7	642
1967		14.3	45.3			.4	46.6	41.2	23.1		.1	72.2	653
1968		11.3	44.6			.1	54.5	62.2	49.2			73.9	653
1969		.3	44.3				54.2	44.9	35.3			65.8	643
1970		.3	42.5		2.3		53.4	57.3	21.4		.1	51.7	618
1971		1.3	44.3	1.4	15.4	.1	50.6	53.9	19.2	1.3		59.6	641
1972		.3	41.3	1.7	40.3		74.6	41.2	11.2	3.4		48.2	668
TOTALS		4.7	43.7	2.4	14.7	.2	49.9	52.9	16.3	2.3	.1	55.3	19223

NAWWEASERVCOM

WEATHER CONDITIONS

STATION NAME: SOUTH SALEM, ME STATION: JAN MONTH: YEARS: 1951

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO. OF OBS.
JAN	01		5.8	1.0	11.6		18.4	16.8	1.6	1.6		19.4	110
	02		3.0	1.0	11.0		15.5	14.5	1.0	1.9		17.4	110
	03		3.2	1.3	9.6		14.1	12.8	2.6	2.6		23.2	311
	04		4.5	1.0	13.2	.3	18.3	18.4	5.8	2.6		24.1	311
	05		6.3	2.9	12.6		20.6	14.2	4.5	2.6		21.0	110
	06		6.5	.6	11.3		18.1	13.5	3.2	2.3		18.7	110
	07		6.5	.3	10.6		17.1	14.8	1.3	1.9		17.7	310
	08	.6	5.8	2.3	9.7		17.1	15.8	1.3	1.9		18.4	110
	09												
	10												
	11												
	12												
TOTALS		.1	6.9	1.6	11.4	.3	17.4	15.6	2.7	2.2		20.0	2487

WEATHER CONDITIONS

STATION 12298-84321 STATION NAME BOSTON, MA YEARS 72-80 MONTH SEP

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01		5.2	1.1	7.1		13.2	16.3	2.5	1.2		19.3	282
	02		4.3	1.1	8.3		13.6	17.4	2.1	1.8		20.2	282
	03		4.3	1.4	6.5		13.2	22.3	4.3	.7		26.6	282
	04		5.3		10.3		15.6	16.3	7.1	1.1		23.4	282
	05		3.9	.4	8.5		17.1	11.0	5.7	.7		17.5	282
	06		5.3	1.4	10.6		16.3	11.3	4.6	.7		19.6	282
	07		5.0	1.4	6.5		13.2	11.3	1.3	1.4		14.2	282
	08		4.0	1.4	7.1		12.1	14.9	.7	1.3		17.4	282
TOTALS			4.8	1.0	8.7		14.4	14.9	2.6	1.3		19.2	2254

WEATHER CONDITIONS

11/11 2006 04321

STATION

STATION NAME

STATION

STATION NAME

YEARS

14 12
MONTH

APPROPRIATE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HANDLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
01	01		9.0	1.0	4.0		14.0	20.0	3.0	1.0		24.0	310
02	02		11.0	.0	5.0		17.0	20.0	3.0	.0		23.0	310
03	03		12.0		7.0		16.0	20.0	5.0	.0		32.0	310
04	04	.0	9.0		6.0		14.0	20.0	4.0	1.0		25.0	310
05	05		9.0		5.0		17.0	15.0	6.0	.0		21.0	310
06	06		10.0		5.0		15.0	16.0	7.0	.0		23.0	310
07	07		9.0	1.0	5.0		15.0	20.0	4.0	.0		24.0	310
08	08		9.0	.0	4.0		13.0	21.0	1.0	.0	.0	23.0	310
09	09												
10	10												
11	11												
12	12												
TOTALS		.0	2.0	.0	5.0		16.0	20.0	4.0	.0	.0	24.0	2400

WEATHER CONDITIONS

STATION NAME: STATION YEARS: 19-20 MONTH: APR

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	01		14.3		1.7		15.3	26.0	4.7	.7		30.3	300
	04		12.0		3.3		15.0	29.0	3.0	.7		33.0	300
	07		11.7		3.7		14.3	27.3	6.7	.3		33.7	300
	10		12.0		3.7		14.7	18.3	6.0	.3		24.0	700
	13	.3	13.0		4.3		16.2	18.0	6.7	.3		22.0	300
	16		11.2		3.7		14.7	14.3	8.7	.3		22.7	300
	19		14.7	.3	1.7		16.7	17.7	6.7	.7		25.0	300
	22		14.3		1.7		15.3	21.7	6.0	.7		27.7	300
TOTALS		.0	12.9	.0	2.9		15.3	21.3	6.3	.5		27.3	2400

WEATHER CONDITIONS

STATION NAME: 77-00 YEARS: MAY MONTH: 12-11

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHERED CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	11		16.6				16.6	76.1	7.1			91.3	310
	16	.3	14.5		.3		14.5	47.7	6.4			50.3	310
	37	.3	13.9		.3		13.9	31.2	11.9			39.7	310
	17		11.3				11.3	21.3	11.9			32.9	310
	13	.3	13.5				13.5	15.5	15.5			30.6	310
	16		10.7				10.7	16.5	16.4			32.3	310
	15		13.9		.3		14.2	23.9	12.9			36.1	310
	22	.6	14.8				14.5	30.6	8.7			37.7	310
TOTALS		.2	13.6		.1		13.7	27.9	11.5			37.6	2400

WEATHER CONDITIONS

STATION 1011 STATION NAME 1011 STATION 1011 MONTH JULY YEARS 73-72

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01	.7	11.3				12.3	40.7	11.3			49.0	300
	04		13.3				13.3	53.3	11.0			59.0	300
	07	.3	13.3				13.3	70.7	15.0			49.7	300
	10		12.7				12.7	22.3	23.7			43.3	300
	13	.3	9.3				9.3	14.0	27.7			40.0	300
	16	.7	12.0				12.0	15.0	25.0			39.7	300
	19	.3	10.7				10.7	12.3	24.0			42.7	300
	22	.3	11.0				11.0	30.7	15.0			44.3	300
TOTALS		.3	12.0				12.0	25.0	19.1			46.0	2400

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	↓ NORTH
1001	1001	1001	1001

JUL
SOUTH

2-2-72

STATION NAME

YEARS

July

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01	1.2	9.0				9.0	42.3	13.9			51.9	310
	04	1.0	10.6				10.6	50.0	14.5			57.1	310
	07	.6	17.3				10.3	33.5	22.6			51.6	310
	10	.3	8.1				9.1	17.1	29.7			44.8	310
	17	.6	7.7				7.7	11.3	34.2			43.9	317
	19	2.6	7.4				7.4	10.3	34.2			42.6	317
	16	2.9	9.7				9.7	19.0	29.0			45.2	317
	22	3.3	9.0				9.0	29.0	18.7			44.5	310
TOTALS		1.5	9.0				9.0	24.6	24.6			47.7	2480

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	AUC
10-11	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-		

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
11	11	1.0	10.0				10.0	45.5	10.6			51.0	310
12	10	.3	8.1				8.1	52.6	7.4			55.5	310
1	17	.2	9.4				9.4	43.7	14.5			54.2	310
2	10		8.4				8.4	20.6	26.5			43.9	310
3	13	.6	8.4				8.4	14.2	26.8			39.4	310
4	1	1.0	7.7				7.7	14.8	27.4			40.6	310
5	10	1.0	7.1				7.1	24.5	35.2			45.8	310
6	22	.6	8.4				8.4	35.5	15.5			45.8	310
7													
8													
9													
10													
TOTALS		.7	8.7				6.7	31.5	19.2			47.0	2480

WEATHER CONDITIONS

STATION NAME BRUNSWICK, M. STATION 10-11 YEARS 73-92 MONTH SEP

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01	.7	11.7				11.7	41.3	3.3			43.7	300
	02	.3	11.7				11.7	46.7	2.3			48.3	300
	03	.3	11.3				11.3	46.0	6.0			50.3	300
	04	.3	10.3				10.3	22.0	12.7			33.3	300
	05		8.7				8.7	14.7	15.0			29.7	300
	06	.3	10.3				10.3	15.0	15.7			30.3	300
	07	.7	11.0				11.0	22.3	11.0			32.0	300
	08	.7	12.3				12.3	20.7	6.0			33.7	300
TOTALS		.4	10.7				10.4	27.6	9.1			37.7	2400

WEATHER CONDITIONS

STATION 14011 STATION NAME BRUSHY, ME YEARS 73-80 MONTH OCT

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01		12.3				12.3	16.1	2.3			37.4	310
	04	.6	12.3	.3			12.6	28.7	1.6			39.7	310
	07		10.6	.3			11.0	26.8	1.9			32.4	310
	10		10.6		.3		10.6	10.4	9.4			27.7	310
	13		9.0				9.0	15.8	7.7			21.9	310
	16	.3	11.6		.6		12.3	15.5	8.1			21.9	310
	19	.3	11.6		.3		11.9	20.6	2.6			22.6	310
	22		13.9		.3		14.2	27.1	2.9			29.7	310
TOTALS		.2	11.5	.1	.2		11.7	26.3	9.6			29.9	2480

WEATHER CONDITIONS

STATION NAME ADJUSWICK, W. STATION NAME ADJUSWICK, W. YEARS 13-52 MONTH NGV

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
4-5	01		14.0		2.3		17.3	73.7	2.3	.7		36.3	300
	02		13.7	.3	2.0		16.0	34.7	1.7			35.7	300
	03		13.7	.3	2.0		16.0	35.3	4.7	.3		39.3	300
	04		14.3	.3	2.0		16.3	25.7	9.3	.3		34.7	300
	05		12.7	.7	2.3		14.7	21.7	7.0	.3		26.3	300
	06		11.0		2.3		13.0	20.7	6.0	.3		26.7	300
	07	.3	11.7		1.0		12.7	24.0	2.7	.3		27.0	300
	08		11.7	.3	3.3		14.3	20.0	2.3	.3		30.3	300
TOTALS		.6	12.0	.2	2.3		15.0	20.0	4.5	.3		32.3	2400

WEATHER CONDITIONS

STATION 13-82 DEC NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREZZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO. OF OBS.
DEC	01		6.4	1.6	12.9		21.6	17.7	1.6	1.6		22.6	310
	04		6.8	.5	10.0		17.4	19.7	2.8	1.6		22.6	310
	07		5.5	1.3	10.3		16.5	24.2	1.2	2.3		23.1	310
	10		5.5	1.6	11.6		18.4	22.9	5.6	1.9		28.7	310
	13		7.4	1.3	9.4		16.9	16.5	3.9	1.6		21.6	310
	16		7.4	1.0	9.0		17.1	17.1	3.5	1.0		21.3	310
	19		6.8	.5	10.7		18.1	17.5	.6	1.6		19.7	309
	22		6.5	1.0	10.7		17.5	19.4	1.0	1.0		22.0	309
TOTALS			5.5	1.1	10.7		17.9	19.6	2.9	1.7		23.3	2478

WEATHER CONDITIONS

STATION NAME SPENCER, W STATION 77-42 YEARS ALL MONTH NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.1	3.4	1.4	11.2	.7	17.4	15.6	2.7	2.2		20.0	2442
FEB			4.2	1.0	6.7		14.0	14.9	3.6	1.3		19.2	2256
MAR		.0	2.6	.4	5.7		15.2	20.9	4.9	.6	.0	25.7	2480
APR		.0	12.9	.0	2.3		15.3	21.3	6.3	.5		27.3	2480
MAY		.2	13.6		.1		13.7	27.9	11.5			37.6	2480
JUN		.3	12.0				12.0	29.0	19.1			46.0	2480
JUL		1.5	9.0				9.0	26.6	24.6			47.7	2480
AUG		.7	6.7				8.7	31.5	19.2			47.0	2480
SEP		.4	10.9				10.9	29.6	9.1			37.7	2480
OCT		.2	11.5	.1	.2		11.7	25.3	4.6			29.9	2480
NOV		.0	12.9	.2	2.3		15.0	26.0	4.5	.3		32.3	2400
DEC			6.8	1.1	10.7		17.9	19.6	2.8	1.7		23.3	2478
TOTALS		.3	9.8	.3	3.5	.0	13.4	24.3	9.4	.5	.0	32.5	29216

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME BRUNSWICK, ME STATION NAME JANUARY 1973-DECEMBER 1982 MONTH JANUARY HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " " SHOWERS ICE CRYSTALS	SNOW GRAINS " " PELLETS " " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.2		5.4	5.6	1.9	26.3			19.6		1.1	6.4		58.2
NNE	4.5		2.7	2.3	1.4	28.8			17.6	.5	.5	9.5		57.7
NE	3.4		2.2	2.2	1.1	29.2			21.3	1.1	4.5	1.1		55.1
ENE	20.0								23.3		6.7			70.0
E	11.6					21.1			31.6		5.3			42.1
ESE	16.7								50.0					33.3
SE	50.0	12.5			12.5			12.5	37.5					37.5
SSE	20.7		3.4				3.4		41.4					58.6
S	21.3	1.9	5.6		.9	2.8			40.7		8.3	.9		47.2
SSW	3.4	.8	2.5			5.1			22.0		6.8			66.9
SW	2.2		.7			3.6		.7	8.0		2.2			86.1
WSW	.7	.7				2.2			5.8	.7	.7			91.4
W	2.2					3.6			7.2	1.4	.7	.7		87.8
WNW	.7					2.8			1.4	1.4	2.8	.7		90.9
NW	.5		.5	.5		2.4			2.8	.5	1.9	.9		91.9
NNW	3.7		2.9	1.2	.4	12.2			14.7		.4	1.2		75.1
VARIABLE														
CALM	2.9	.2	.6	.4	.2	3.6			11.1	2.8	4.9			37.3
TOTAL	100	6	50	34	15	270	1	2	366	21	66	54		1810
% TOTAL	4.0	.2	2.0	1.4	.6	10.9	.0	.1	14.7	.8	2.7	2.2		72.9

TOTAL NUMBER OF OBSERVATIONS 2,482

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14011

BRUNSWICK, ME

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

FEBRUARY

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.1		1.6	1.0	1.3	15.7			14.4		2.9	3.2		69.0
NNE	7.2		7.9	7.2	5.3	23.0			27.0	2.0	.7	2.6		51.3
NE	8.8		7.4	5.9	1.5	16.2			23.5		4.4	2.9		57.4
ENE	15.2		15.2	3.0	3.0	15.2			39.4		6.1	3.0		36.4
E	24.2			3.0		9.1			48.5		9.1			33.3
ESE	31.5		4.5			18.2			45.5		9.1			27.3
SE	76.3					5.3			36.8					57.9
SSE	8.6					8.6			22.9		5.7			65.7
S	7.4		3.7			4.4			21.3	.7	8.1			68.4
SSW	4.0	3.2	.8			1.6			16.9	1.6	4.0			72.6
SW	1.4					2.8			2.3	1.4	2.8			87.5
WSW	1.4	1.4				4.3			5.7	1.4	5.7			97.1
W						2.5			5.9	.8	.8			91.6
WNW			.6			3.0			4.2		.6	1.8		91.6
NW						5.7			2.8	.5	1.4	2.4		89.1
NNW	.4					7.9			6.5		1.8	1.1		86.4
VARIABLE														
CALM	1.2		1.5	.7	.2	4.2			16.8	1.2	6.7			31.8
TOTAL	76	5	41	23	15	183			322	15	81	28		1691
% TOTAL	3.4	.2	1.8	1.0	.7	8.1			14.3	.7	3.6	1.2		75.0

TOTAL NUMBER OF OBSERVATIONS

2,256

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14611 BRUNSWICK, ME STATION NAME JANUARY 1973-DECEMBER 1982 MONTH YEARS HOURS (LOCAL)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS" ICE CRYSTALS	SNOW "GRAINS" "PELLETS" "SHOWERS"	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.5	1.2	6.9	.8		11.8		.4	21.5	.4	2.8	2.0		65.4
NNE	8.6	.6	6.1	1.2		10.4			18.4		1.8	.6		69.9
NE	15.8		5.3	1.1		12.6			23.2		1.1	2.1		63.2
ENE	16.7		4.2	2.1	2.1	20.8			37.5		6.3			47.9
E	18.0		3.3			16.4			45.9		8.2			37.7
ESE	24.2		6.1			9.1			36.4	3.0	6.1			48.5
SE	19.7	2.4	4.8	2.4		4.8			50.0		9.5			38.1
SSE	15.5	1.4	5.6			5.6			32.4		9.9			53.5
S	6.2	2.9	5.5		.3	3.9			26.3	.3	8.5	.3		59.9
SSW	7.0	1.6	1.1		.5	3.8			24.7	2.7	10.2	.5		60.2
SW	1.3	1.3	1.3			2.5			17.7		6.3			73.4
WSW	3.3					3.8			13.2		7.5			77.4
W	.9	.9	.9			2.7			8.2		1.8			87.3
WNW	.7	.7	.7						3.3		2.3	.7		93.3
NW		.4	1.7			2.2			3.1		1.3	.4	.4	93.4
NNW	2.1	.4	1.7			5.6			10.7	.4	1.7	1.3		84.2
VARIABLE														
CALM	4.7		2.1	.5		2.1			24.7	2.7	6.4			56.3
TOTAL	143	23	82	9	3	139		1	499	19	122	15	1	1742
% TOTAL	5.8	.9	3.3	.4	.1	5.6		.0	20.1	.9	4.9	.6	.0	70.2

TOTAL NUMBER OF OBSERVATIONS 2,460

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME PRUSSICK, ME MONTH APRIL HOURS 11.5.11

14511 JANUARY 1973-DECEMBER 1987 YEARS

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.5	4.7	2.0		.4	6.3			21.3	.6	3.6	1.2		64.4
NNE	16.5	2.5	11.8	.3	1.7	4.2			34.5		4.2			53.9
NE	24.7	1.0	11.0		1.0	7.0			43.0		3.0			49.0
ENE	27.0	5.9	11.8		1.5	10.3			47.1	1.5	2.9			39.7
E	42.9		4.3		2.1	4.3			55.3		2.1			34.0
ESE	19.7	5.6	11.5			6.6			49.2	1.6	4.9			36.1
SE	26.7		11.1			4.4			60.0		4.4			31.1
SSE	16.3	5.3	3.2		1.1				39.4		8.5			51.1
S	4.0	4.4	1.3			.3			16.6	1.0	14.5			66.3
SSW	2.2	2.6	3.2			1.3			20.5	1.2	14.7			64.1
SW	3.7	2.5	2.5						17.3	2.5	7.4			71.6
WSW	4.1	1.4	1.4			1.4			10.6	1.4	1.4			86.5
W	.5	2.4				.8			8.1		4.6			86.3
WNW	1.1	.6	1.1			.6			2.3		1.7	.6		94.3
NW	1.3	1.0				1.9			5.3	.5	1.0	3.4		88.3
NNW	1.0	1.9	.5			1.4			3.6		2.4	.5		90.9
VARIABLE														
CALM														
TOTAL	123	61	72	1	8	62		1	484	27	151	12		1663
% TOTAL	7.5	2.5	3.0	.0	.3	2.6		.0	20.2	1.1	6.3	.5		69.3

TOTAL NUMBER OF OBSERVATIONS

2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14611 BRUNSWICK, ME STATION NAME JANUARY 1973-DECEMBER 1982 MONTH MAY HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.9	7.6	4.3			.5			10.4	1.1	6.5			67.0
NNE	9.2	5.0	5.9			.8			23.5	5.0	6.7			63.0
NE	14.6	3.1	11.5						46.9	1.0	4.2			46.9
ENE	25.7		20.3					1.4	62.2		4.1			32.4
E	18.0	8.0	15.0					1.0	63.0	1.0	4.0			30.0
ESE	9.0	6.0	14.9						46.3	1.5	11.9			37.3
SE	9.9	7.4	9.9						45.7		12.3			43.2
SSE	4.7	2.3	8.6						34.4	1.6	16.4			46.9
S	3.9	3.5	2.3					.2	19.9	2.0	21.3			57.0
SSW	2.9	2.4	1.0					.5	17.8	2.4	20.2			60.6
SW	1.5	3.0	1.5						18.2	1.5	9.1			72.7
WSW		4.8							14.5	3.2	4.8			77.4
W	1.4		1.4						12.7	1.4	5.6			80.3
WNW		1.1							2.3		3.4			94.3
NW		4.0				.8			2.4	.3	5.6			87.1
NNW	2.1	6.4	2.1					.7	9.3		5.7			80.0
VARIABLE														
CALM	3.1	1.9	4.5						30.4	9.5	0.9			54.9
TOTAL	135	94	120			3		5	624	67	284			1489
% TOTAL	5.4	3.8	4.8			.1		.2	25.2	2.7	11.5			60.0

TOTAL NUMBER OF OBSERVATIONS 2,480

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 14-11 BRUSSICK, ME STATION NAME JANUARY 1973-DECEMBER 1982 YEARS MONTH JUNE HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS" ICE CRYSTALS	SNOW GRAINS "PELLETS" "SHOWERS"	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.5	4.4	1.9					.6	18.2	.6	12.6			55.4
NNE	8.0	2.3	10.2						28.4	2.3	9.1			60.2
NE	16.4	4.9	9.8						79.3	3.3	3.3			49.2
ENE	8.7	2.2	21.7						45.7		15.2			34.8
E	14.5	4.3	14.5					1.4	50.7	2.9	20.3			24.6
ESE	8.0	6.0	16.0						52.0	2.0	20.0			26.0
SE	8.7	4.3	9.7						42.0	1.4	13.0			43.5
SSE	8.7	4.3	2.9					.7	42.8	2.9	20.3			34.8
S	4.5	2.7	1.2					.5	27.1	2.6	27.0			44.0
SSW	1.7	2.6	.7						18.9	3.0	28.1			54.0
SW	2.3	6.9	1.1					1.1	13.8	3.4	32.2			48.3
WSW	3.7	3.7	3.7						13.0	3.7	11.1			70.4
W	6.2	6.2							9.9	1.2	11.1			71.6
WNW		3.1	1.0						4.2	1.0	13.5			77.1
NW	4.3	6.5	1.1					1.1	14.1		7.6			76.1
NNW	2.3	1.0	4.0						11.9	1.0	13.9			73.3
VARIABLE														
CALM	4.4	2.8	2.5						30.8	9.7	12.1			47.0
TOTAL	126	84	82					8	619	76	457			1239
% TOTAL	5.3	3.5	3.4					.3	25.8	3.2	19.0			51.6

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 14511 CRUISICK, MF STATION NAME JANUARY 1973-DECEMBER 1982 MONTH JULY HOURS 12.1

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.0	4.7	4.7					1.3	16.0	1.3	10.0			68.7
NNE	5.1	3.4	1.7						20.3	1.7	18.6			52.5
NE	2.5		2.5						27.5		5.0			67.5
ENE	4.7	18.6	4.7					2.3	41.9	2.3	16.3			37.2
E	4.5	4.5	25.0					2.3	63.6		22.7			20.5
ESE	9.9	2.2	17.8					2.2	53.3	2.2	17.8			28.9
SE	2.2	6.5	4.3					2.2	60.9		17.4			26.1
SSE	5.2	3.1	7.2					1.0	38.1	2.1	34.0			30.9
S	2.0	4.4	2.2					1.7	26.2	1.4	38.4			37.4
SSW	1.5	5.3	2.0					1.2	18.7	1.5	36.3			45.6
SW		5.3	1.5					1.5	23.7	3.8	27.5			48.9
WSW		11.1						1.9	16.7		29.6			51.9
W	1.3	6.4						5.1	15.4		11.5			70.5
WNW	1.0	1.0	1.0					2.9	5.9	1.0	4.9			65.3
NW	.8	1.6						1.6	3.3	.8	5.7			89.3
NNW	1.5	4.5	.8					2.3	11.4	.8	12.1			73.5
VARIABLE														
CALM														
TOTAL	45	105	77					38	593	66	610			1254
% TOTAL	1.7	4.2	3.1					1.5	23.9	2.7	24.6			50.6

TOTAL NUMBER OF OBSERVATIONS 2,480

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 14611 BRUNSWICK, ME STATION NAME JANUARY 1973-DECEMBER 1982 MONTH AUGUST HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.3	3.9	1.0						20.5	2.9	14.1			60.0
NNE	8.6	7.5	1.1						30.1	1.1	11.8			52.7
NE	11.3	5.7	5.7						45.3		9.4			47.2
ENE	15.6	16.3	4.7					2.3	44.2	2.3	23.6			27.9
E	13.2	5.7	3.8					5.7	56.6		9.4			32.1
ESE	7.7	8.8	17.5					1.8	63.2	1.8	17.5			17.5
SE	4.1	6.1	6.1					4.1	49.0		22.4			32.7
SSE	6.7	5.6	1.1					1.1	30.0	2.2	28.9			41.1
S	2.1	2.4	2.0					.6	28.5	2.8	29.9			41.4
SSW	1.4	2.8	1.7					.7	31.4	1.7	25.9			46.2
SW	2.3	2.2	1.1					1.1	23.9	4.3	21.7			51.1
WSW	5.6	9.3	1.9					1.9	29.6		22.2			44.4
W	1.7	2.0	1.0						11.8	1.0	16.7			71.6
WNW		1.1							5.7		11.5			83.9
NW	.9	.9	.9						5.7		9.4			84.0
NNW	.8	1.5						.8	6.9	2.3	13.1			77.7
VARIABLE														
CALM	2.1	2.1	1.7					.4	31.8	18.4	13.1			89.3
TOTAL	81	94	51					18	694	87	477			1270
% TOTAL	3.3	3.4	2.1					.7	78.0	3.5	19.2			51.2

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14011

STATION NAME
GRUUSICK, MF

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

MONTH

MONTH

NO. OF DAYS

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.9	5.2	5.2					1.4	34.3	.9	3.8			59.2
NNE	13.1	3.9	7.1						26.8	.8	2.4			50.6
NE	21.3	9.8	4.9					1.6	41.0	3.3	6.6			42.6
ENE	8.3	8.3	5.6					2.8	34.9		5.6			50.0
E	25.8	6.5	9.7						41.9	6.5	6.5			35.5
ESE	16.2							2.7	29.7		13.5			54.1
SE	5.7	14.3	5.7						37.1		14.3			45.7
SSE	8.0	3.0	6.9					1.1	41.4		16.1			42.5
S	4.0	3.3	2.1					.2	24.2	1.2	15.9			54.0
SSW	3.7	4.0	1.1					.4	34.9	.4	16.0			49.8
SW	1.0	3.1							21.6	1.0	11.3			66.0
WSW	6.5	3.2						1.6	16.1		8.1			74.2
W									2.3	1.1	8.0			88.5
WNW	1.0								7.7	1.9	4.8			85.6
NW	1.0		1.0						8.7	1.0	3.8			87.5
NNW	2.0	.7	3.3						11.8	1.3	3.9			81.7
VARIABLE														
CALM	1.7	1.3	1.9						30.7	18.3	3.3			34.3
TOTAL	126	78	63					10	641	69	217			1444
% TOTAL	5.3	3.3	2.6					.4	26.7	2.9	9.0			63.2

TOTAL NUMBER OF OBSERVATIONS

2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

10011

TRUSICK, ME

STATION NAME

JANUARY 1973-DECEMBER 1992

YEARS

OCTOBER

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	10.7	1.8	5.0		.4	.7			26.3	1.1	2.8			64.0
NNE	17.3	2.2	9.6						35.6	.7	2.2			58.5
NE	21.1	5.6	8.5			1.4			45.1					49.3
ENE	21.4	2.4	9.5			2.4		2.4	42.9		4.8			50.0
E	26.5	10.2	12.2					2.0	67.3		4.1			30.6
ESE	26.2	4.8	7.1						52.4		11.9			35.7
SE	21.1	15.8	15.8						52.6		5.3			36.8
SSE	11.1	2.8	2.8						38.9		9.7			50.0
S	6.7	4.1	2.9					.3	25.5	3.5	11.1			60.2
SSW	4.7	2.4	1.9					.9	22.2	2.8	8.0			67.0
SW	1.3	3.5	.9						8.0	.9	6.2			83.2
WSW	2.2								6.7	2.2	1.1			88.9
W	.3		.9						10.1	.9	2.8			86.2
WNW	2.4		.8						11.1		1.6			87.3
NW	1.4								10.3		1.4			88.4
NNW	3.2	.9	.9						12.2	.5	3.2			83.8
VARIABLE														
CALM	8.1	.5	1.4	.5					27.2	1.3	2.5			62.7
TOTAL	170	51	75	2	1	4		4	593	58	113			1697
% TOTAL	6.9	2.1	3.0	.1	.0	.2		.2	23.9	2.3	4.6			63.4

TOTAL NUMBER OF OBSERVATIONS

2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14011 STATION DRUSACK, ME STATION NAME JANUARY 1973-DECEMBER 1982 YEARS MONTH NOVEMBER HOURS 1571

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	9.5	1.8	7.0	.4	.4	7.0			75.6	1.5	2.6	1.5		62.6
NNE	14.5	1.7	11.7	1.1		2.8			40.9	1.1	2.8	.6		50.3
NE	11.3	1.6	9.7	3.2		6.5			38.7		6.5			48.4
ENE	16.7		16.7			8.3			33.3					52.8
E	36.7		14.7						66.7		3.3			30.0
ESE	42.1		5.3						42.1					52.6
SE	10.0								33.3					66.7
SSE	76.3	2.6	7.9						36.8		15.8			36.8
S	9.5	3.5	6.5			1.0			39.0	2.5	9.0			47.5
SSW	7.3	1.8	2.4					.6	30.3	1.2	12.1			57.0
SW	6.7	.7	.7			.7			17.4	2.0	6.7			73.2
WSW	3.6	.7							12.4	.7	3.6			82.5
W	3.6					.7			7.3					92.0
WNW	1.5		1.5			2.9			10.3		1.5			86.0
NW	2.1		2.1			1.4			7.7		.7	.7		89.5
NNW	8.3		3.1			3.9			22.4	1.3	1.3	.9		73.7
VARIABLE														
CALM														
TOTAL	184	25	103	6	1	54		1	626	45	108	8		1563
% TOTAL	7.9	1.0	4.3	.3	.0	2.3		.0	26.1	1.9	4.5	.3		65.1

TOTAL NUMBER OF OBSERVATIONS 2,000

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14611

STATION NAME
APU-101, MF

JANUARY 1973-DECEMBER 1982

MONTH
DECEMBER

HOURS (LIST)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.7		4.2	2.7	2.4	23.6			13.8	.3	1.5	3.3		60.6
NNE	4.3		4.9	2.7	2.7	26.2			20.9	.4	2.2	7.1		54.7
NE	10.5			1.5		24.6			21.5					61.5
ENE	23.1		3.8		3.8	15.4			34.6					53.8
E	40.0		20.0	4.0		24.0			62.0					20.0
ESE	56.3								6.3		6.3			31.3
SE	20.3					7.7			46.2	7.7	7.7			30.8
SSE	72.3	2.0	6.0			2.0			62.0		6.0			32.0
S	12.0	2.8	3.4	1.7		3.4			30.7	2.6	3.4			52.6
SSW	7.6	.6	3.2			4.4			28.5	2.5	7.6			57.6
SW	2.3	.7				4.2			8.4	.7	2.8			83.9
WSW	2.0		1.0			4.0			12.0		2.0			93.0
W	2.0	1.0	1.0			4.0			8.9		2.0	1.0		86.1
WNW	.6		2.5			9.3			7.5	.6				85.7
NW	.6	.5	.5	.5	.5	6.9			6.4	1.0		2.5		85.7
NNW	.6	.4	1.2	1.5	1.2	7.7			8.1		1.5	3.1		83.1
VARIABLE														
CALM	1.1	.4	.8	.8	.8	3.3			20.0	2.5	5.6			31.0
TOTAL	119	11	57	28	19	255			460	26	70	41		1721
% TOTAL	4.6	.4	2.3	1.1	.9	10.3			18.6	1.0	2.8	1.7		69.5

2,473

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14011 BRUNSWICK, ME STATION NAME JANUARY 1973-DECEMBER 1982 YEARS ALL MONTH HOURS (LOCAL)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.9	2.4	4.2	1.2	.7	10.0		.2	21.2	.8	4.5	1.9		63.7
NNE	7.9	1.9	6.8	1.6	1.1	11.1			26.5	1.1	3.9	2.6		57.2
NE	14.1	2.4	6.9	1.2	.3	8.9		.1	34.7	.7	3.7	.6		52.8
ENE	15.1	4.6	10.9	.4	.8	5.7		1.0	43.2	.6	7.8	.2		42.5
E	22.1	4.1	10.9	.4	.2	4.5		1.2	55.8	.9	8.6			30.5
ESE	13.2	4.2	11.0		.2	2.4		.7	48.8	1.3	11.9			34.5
SE	11.4	5.7	7.0	.2	.2	1.4		.9	47.6	.5	11.6			39.5
SSE	11.3	3.7	4.8		.1	.9	.1	.4	38.3	1.1	16.7			43.4
S	5.0	3.2	2.6	.3	.0	.7		.5	26.7	1.9	21.0	.0		50.8
SSW	3.6	2.9	1.7		.0	.9		.4	24.1	1.9	18.7	.0		56.2
SW	2.4	2.3	.9			1.3		.5	15.2	1.8	11.1			71.0
WSW	2.6	2.3	.5			1.4		.3	11.9	1.1	6.3			79.3
W	1.7	1.4	.4			1.4		.3	8.7	.6	4.8	.2		94.3
WNW	.8	.5	.8			1.9		.2	5.4	.5	3.3	.4		88.5
NW	.9	.9	.6	.1	.1	2.3		.2	5.3	.4	2.6	1.1	.1	88.4
NNW	2.4	1.2	1.6	.3	.2	4.2		.2	10.8	.5	3.9	.9		81.1
VARIABLE														
CALM														
TOTAL	1406	627	873	103	62	970	1	88	6521	576	2756	158	1	18583
% TOTAL	5.1	2.1	3.0	.4	.2	3.3	.0	.3	22.3	2.0	9.4	.5	.0	63.6

TOTAL NUMBER OF OBSERVATIONS 29,216

NAVWEASERVCOM

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION (FROM DAILY OBSERVATIONS)

STATION 11 STATION NAME STATION NO. YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	PRECIP.	NONE	TRACE	0.1	0.2-0.5	0.6-1.0	1.1-2.5	2.6-5.0	5.1-10.0	10.1-20.0	OVER 20.0		MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	4.0	17.0	1.0	1.5	6.0	6.0	6.0	6.0	6.0	2.0	0.2			36.1	3.93	10.71	0.50	
FEB	6.0	15.0	7.0	1.0	5.0	5.0	7.0	5.0	5.0	3.0	0.1			34.7	3.78	7.34	1.00	
MAR	4.0	15.0	2.0	6.0	4.0	4.0	7.0	5.0	7.0	2.0				35.0	4.14	10.87	0.70	
APR	4.0	15.0	3.0	5.0	4.0	4.0	8.0	8.0	4.0	3.0	0.2			37.8	3.60	6.35	1.13	
MAY	4.0	17.0	3.0	7.0	4.0	4.0	8.0	8.0	4.0	1.0				37.1	3.25	6.54	0.54	
JUN	4.0	16.0	4.0	7.0	4.0	4.0	7.0	6.0	3.0	0.2				36.0	3.36	6.69	0.67	
JUL	5.0	16.0	2.0	6.0	7.0	6.0	6.0	4.0	4.0	1.0	0.1			37.2	2.76	5.92	0.57	
AUG	5.0	14.0	3.0	6.0	3.0	3.0	6.0	5.0	4.0	0.0	0.1			30.6	3.18	8.08	1.07	
SEP	4.0	15.0	1.0	5.0	5.0	3.0	5.0	4.0	4.0	1.0	0.2	0.1		32.2	3.33	11.80	0.60	
OCT	5.0	11.0	3.0	5.0	4.0	3.0	6.0	4.0	4.0	2.0	0.4			31.3	3.81	9.64	0.95	
NOV	4.0	11.0	3.0	6.0	5.0	5.0	7.0	6.0	6.0	0.0	0.1			39.6	4.67	15.28	1.22	
DEC	4.0	17.0	2.0	5.0	6.0	6.0	7.0	7.0	4.0	0.0	0.2			33.1	4.00	9.59	1.10	
ANNUAL	5.0	14.0	2.0	6.0	4.0	4.0	7.0	5.0	5.0	2.0	0.1	0.0		36.0	1120	44.71		

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
MEASUREMENTS
(FROM DAILY OBSERVATIONS)

STATION NAME: STATION NO. 50-10-100 YEARS

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	67.5	17.6	5.5	6.1	4.3	2.5	1.6	2.4	1.6	.6	.2			24.5	20.2	47.8	1.6		
FEB	50.0	17.6	4.7	6.8	7.4	2.2	1.4	1.9	2.2	.7	.1			23.6	15.2	49.1	2.4		
MAR	66.0	16.7	3.7	4.7	7.2	1.6	1.2	1.2	1.7	.7				13.5	16.0	43.5	.7		
APR	50.7	7.9	1.2	1.6	1.4	.6	.6	.1	.2	.1				5.2	3.6	13.7	.0		
MAY	50.0	1.6		.1	.1	.1								.3	.2	2.0	.0		
JUN	50.0														.0	.0	.0		
JUL	50.0	.1													TRACE	TRACE	.0		
AUG	50.0														.0	.0	.0		
SEP	50.0														.0	.0	.0		
OCT	50.0	.1	.1	.3	.1		.1							.6	.3	4.4	.0		
NOV	40.0	.0	1.3	2.4	.6	.4	.2	.6	.1	.1				5.8	3.4	13.9	.0		
DEC	50.0	1.0	4.1	6.2	2.9	3.0	1.9	1.7	1.7	.3	.3			22.1	18.4	61.7	.2		
ANNUAL	50.1	7.0	1.7	2.3	1.2	.9	.6	.7	.7	.2	.0			7.1	11.71	50.3	XX		

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION NAME STATION NAME YEARS 1951-1952

AMOUNTS (INCHES)															TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	OVER 20.00	PERCENT OF DAYS WITH MEASUR- ABLE AMTS	GREATEST		LEAST		
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	0.2	0.2	0.6	0.7	11.7	14.6	22.4	14.7	2.1	1.6				0.2	8.9			
FEB	7.0	1.0	0.5	0.5	7.4	14.8	10.3	16.4	3.4	0.1				0.1	0.9			
MAR	0.0	1.0	0.4	0.7	4.1	8.9	12.8	11.2	1.7					0.4	9.3			
APR	0.0	7.0	0.4	1.1	0.0	0.7	1.4	0.2						0.7	9.0			
MAY	0.0		0.1											0.1	0.1			
JUN	0.0														0.0			
JUL	0.0														0.1			
AUG	0.0														0.1			
SEP	0.0														0.0			
OCT	0.0	0.0	0.1	0.1	0.1									0.1	0.1			
NOV	0.0	0.0	0.0	1.5	1.1	1.3	0.0							0.4	0.0			
DEC	0.0	10.1	10.0	0.9	6.1	13.4	0.7	5.0	0.7	0.7				0.0	0.1			
ANNUAL	0.0	4.0	0.7	0.7	0.4	4.5	0.5	4.2	0.7	0.2				0.1	111.3			

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC YEARS: 1951-1952

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	1.07	1.10	2.10	1.12	.96	1.25	1.57	1.75	1.27	1.34	1.54	2.40	2.10
2	1.11	1.12	.79	1.12	1.03	.52	1.57	1.74	.66	1.73	1.57	.8	2.10
3	1.12	1.10	1.11	.65	.5	1.33	.61	1.39	1.05	.39	1.37	1.57	2.10
4	.97	.87	.81	.60	1.44	.37	.72	1.27	.97	2.12	1.32	.46	2.10
5	.57	.61	.97	1.39	1.36	.64	.73	.73	.41	.68	1.65	.67	1.15
6	1.27	.94	1.44	1.21	.70	.86	1.41	.61	.97	.94	1.66	.73	1.77
7	1.00	.7	1.72	.97	.39	1.00	1.21	.35	1.15	1.53	1.12	1.61	1.58
8	1.30	1.55	1.43	1.20	1.67	1.48	1.45	.66	1.91	1.15	1.16	1.73	1.91
9	1.11	1.21	1.25	1.43	.75	1.13	.53	.61	2.12	.60	1.61	.96	2.12
10	1.17	1.26	.7	1.37	.74	.45	1.17	.77	.74	2.36	1.46	3.12	3.12
11	1.10	.56	1.33	1.34	.94	1.42	1.43	1.72	1.26	1.29	2.45	.77	2.66
12	1.10	1.10	1.10	1.10	.64	1.37	.86	.75	.44	.73	1.39	.7	1.39
13	.7	2.17	.23	1.32	.11	1.13	.22	.75	.74	.98	1.74	.67	1.79
14	1.71	1.44	.91	.37	.43	.87	.43	1.14	1.54	1.34	2.35	.97	2.75
15	.23	1.11	.95	2.14	.35	2.80	.70	.63	1.14	.33	.73	1.74	2.15
16	.77	.67	.68	1.00	.67	1.47	.36	.79	.49	.67	1.47	1.77	1.77
17	1.41	1.11	1.34	2.13	.49	.74	1.23	1.14	2.88	.58	2.17	2.7	2.23
18	.2	1.37	1.5	2.26	2.31	1.87	.54	1.61	.75	2.32	.54	2.13	2.44
19	.54	1.31	.3	1.17	2.24	.7	.39	1.1	1.32	2.71	1.15	.63	2.11
20	.74	1.54	1.20	.3	.97	2.39	.56	.4	2.43	2.76	1.61	1.14	2.35
21	1.1	1.10	1.02	1.70	1.43	1.61	.56	1.44	.94	2.26	.57	2.37	2.67
22	1.23	1.3	1.57	.51	.77	2.1	2.00	.73	1.70	.79	1.61	1.17	1.60
23	1.11	.64	1.33	3.13	.23	2.16	.82	1.13	1.69	1.13	1.55	2.10	1.16
24	.70	1.24	.90	2.27	.90	.60	1.61	5.65	.51	2.1	.94	1.37	3.45
25	1.73	1.34	2.50	1.21	1.70	.90	.53	1.93	1.79	2.37	1.79	2.24	2.78
26	1.27	1.55	2.1	1.17	1.53	.73	.94	.74	.73	.95	.50	1.1	2.10
27	1.11	1.10	.77	2.74	1.41	.46	1.43	1.43	.77	1.57	2.14	1.51	2.24
28	.77	1.17	1.60	2.47	1.21	.74	1.32	.71	1.60	2.32	2.16	.43	2.45
29	.41	.71	.57	.82	.35	1.10	1.01	.69	2.17	1.36	.72	1.10	2.14
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
1001	1001 3000, 1001	1001

YEARS

SECRET

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SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION 1-11 STATION NAME QUINCY, NC YEARS 1950-59

24 HOUR AMOUNTS IN INCHES
BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	0.00	0.00	1.00										0.00 DAYS
2	0.11	0.00	0.00										0.00 DAYS
3								0.57					0.57 DAYS
4													
5													
6													
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100													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

IN FALL
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
10-11	STATION 10-11	1960

Section 210007 of the

[illegible]

SMOS

EXTREME VALUES

SPRING FALL
(FROM DAILY OBSERVATIONS)

10

100

STATION

STATION NAME

YEARS

STUCK IN JAR FOR 25 YEARS

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SMOS

EXTREME VALUES

770-245

(FROM DAILY OBSERVATIONS)

2

100

STATION**STATION NAME****YEARS**

26 4000 AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNO DEPTH
(FROM DAILY OBSERVATIONS)

STATION NAME CROSSWICK, NC STATION NUMBER 52-60 YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													
2													
3													
4	11	13	7									22	
5		20											
57	7	19	25	10									
58	24	7	7	5									
59	10	27	12	7									
60	1	14	15	3									
61	20	20	14	10									
62	17	10	17	1									
63	5	20	24	2									
64	17	29	27	4									
65	17	17	15	1									
66	17	17	1	4									
67	7	25	27	4									
68	27	7	8	10									
69	17	32	34	10									
70	7	9	9	10									
71	37	19	22	10									
72	5	75	27	10									
73	25	17	10	10									
74	14	5	7	4									
75	7	12	5	4									
76	22	8	13	7									
77	42	30	19	1									
78	31	28	14	10									
79	24	5	10	10									
80	1	9	1	10									
81	1	9	1	10									
82	1	9	1	10									
83	1	9	1	10									
84	1	9	1	10									
85	1	9	1	10									
86	1	9	1	10									
87	1	9	1	10									
88	1	9	1	10									
89	1	9	1	10									
90	1	9	1	10									
91	1	9	1	10									
92	1	9	1	10									
93	1	9	1	10									
94	1	9	1	10									
95	1	9	1	10									
96	1	9	1	10									
97	1	9	1	10									
98	1	9	1	10									
99	1	9	1	10									
100	1	9	1	10									
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

SONG. DEPTH
(FROM DAILY OBSERVATIONS)

二、

STATION STATION NAME

YEARS

CONFIDENTIAL - NO REPRODUCTION

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SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1951-1952

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													SNOW DEPTH DAYS
2													SNOW DEPTH DAYS
3	4	1	21	11									SNOW DEPTH DAYS
4	7	1		24									
5	21	27											
6													
7													
8													
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26													
27													
28													
29													
30													
31													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

1961-1962

STATION NAME YEARS

MONTH

STATION

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	0.0	12 1 1961	7.0	177	1 61
2	0.0	0.0	12 1 1961	6.0	152	1 52
3	1.0	25.4	23 1 1961	5.0	127	1 50
4	0.01	0.25	31 1 1961	4.0	102	1 50
5	0.4	10.2	11 1 1961	3.5	89	1 72
6	0.0	0.0	27 1 1961	1.0	25	1 66
7	0.0	0.0	45 1 1961	17.0	432	1 77
8	0.0	0.0	23 1 1961	5.0	127	1 66
9	0.0	0.0	27 1 1961	4.0	102	1 51
10	0.0	0.0	21 1 1961	11.0	284	1 77
11	0.0	0.0	12 1 1961	4.0	102	1 74
12	0.0	0.0	22 1 1961	6.0	152	1 76
13	0.11	2.8	2 1 1961	3.0	76	1 76
14	0.0	0.0	23 1 1961	2.0	51	1 32
15	0.0	0.0	23 1 1961	4.0	102	1 5
16	0.1	2.5	21 1 1961	5.0	127	1 52
17	0.0	0.0	17 1 1961	5.0	127	1 76
18	0.0	0.0	24 1 1961	4.0	102	1 7
19	0.1	2.5	21 1 1961	12.0	305	1 6
20	0.0	0.0	27 1 1961	13.0	330	1 76
21	0.0	0.0	24 1 1961	5.0	127	1 72
22	0.0	0.0	27 1 1961	5.0	127	1 5
23	0.0	0.0	21 1 1961	12.0	305	1 55
24	0.0	0.0	17 1 1961	5.0	127	1 55
25	0.0	0.0	23 1 1961	5.0	127	1 77
26	0.0	0.0	21 1 1961	4.0	102	1 76
27	0.0	0.0	21 1 1961	5.0	127	1 55
28	0.0	0.0	21 1 1961	5.0	127	1 5
29	0.0	0.0	27 1 1961	11.0	284	1 57
30	0.7	17.8	45 1 1961	17.0	432	1 55
31	0.0	0.0	17 1 1961	17.0	432	1 79
Monthly	0.7	17.8	21 1 1961	17.0	432	1 55

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	0.0	12 1 1961	1.0	25	1 61
2	1.0	25.4	35 1 1961	7.0	177	1 67
3	1.0	25.4	35 1 1961	7.0	177	1 67
4	1.0	25.4	27 1 1961	3.0	76	1 61
5	0.0	0.0	12 1 1961	6.0	152	1 71
6	0.0	0.0	12 1 1961	5.0	127	1 76
7	1.0	25.4	30 1 1961	15.0	381	1 78
8	1.0	25.4	30 1 1961	7.0	177	1 61
9	0.0	0.0	22 1 1961	5.0	127	1 69
10	0.0	0.0	16 1 1961	5.0	127	1 65
11	1.0	25.4	35 1 1961	1.0	25	1 50
12	0.0	0.0	12 1 1961	7.0	177	1 67
13	1.0	25.4	30 1 1961	5.0	127	1 52
14	1.0	25.4	27 1 1961	2.0	51	1 41
15	1.0	25.4	4 1 1961	7.0	177	1 67
16	1.0	25.4	2 1 1961	11.0	284	1 64
17	1.0	25.4	2 1 1961	1.0	25	1 55
18	0.0	0.0	23 1 1961	4.0	102	1 55
19	1.0	25.4	30 1 1961	15.0	381	1 75
20	0.0	0.0	12 1 1961	7.0	177	1 67
21	0.0	0.0	7 1 1961	2.0	51	1 67
22	1.0	25.4	41 1 1961	5.0	127	1 55
23	1.0	25.4	4 1 1961	1.0	25	1 67
24	1.0	25.4	30 1 1961	1.0	25	1 67
25	0.0	0.0	27 1 1961	10.0	254	1 59
26	1.0	25.4	30 1 1961	11.0	284	1 67
27	0.0	0.0	16 1 1961	4.0	102	1 75
28	0.0	0.0	24 1 1961	5.0	127	1 65
29	0.01	0.25	1 1 1961	0.1	2.5	1 75
30						
31						
Monthly	0.3	7.6	27 1 1961	15.0	381	1 78

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION 100-1000

STATION NAME MONTH

YEARS

1000

MONTH

1000

MONTH

DAY	PRECIPITATION GREATEST				SNOWFALL GREATEST			
	INCHES	MM	DATE		INCHES	MM	DATE	
1	0.1	2	1977		6.0	152	1975	
2	0.1	14	1974		5.0	127	1973	
3	0.1	5	1977		5.0	127	1973	
4	0.2	32	1975		12.0	305	1971	
5	0.3	23	1973		6.0	152	1973	
6	0.4	44	1975		4.7	119	1975	
7	0.4	25	1976		5.0	127	1973	
8	0.1	21	1977		3.0	76	1975	
9	0.1	24	1977		7.0	178	1971	
10	0.1	0	1974		11.0	279	1970	
11	0.1	0	1977		0.0	0	1977	
12	0.2	32	1970		11.0	279	1970	
13	0.1	56	1973		6.1	155	1971	
14	0.1	54	1977		15.0	381	1971	
15	1.0	27	1976		10.0	254	1971	
16	0.1	0	1973		0.0	0	1976	
17	0.1	23	1977		11.0	279	1971	
18	0.1	13	1977		0.0	0	1977	
19	0.3	13	1974		0.0	0	1971	
20	0.1	24	1977		3.0	76	1971	
21	0.1	43	1975		7.0	178	1971	
22	0.3	46	1973		5.0	127	1971	
23	0.0	22	1977		9.0	229	1977	
24	0.1	23	1976		6.0	152	1976	
25	1.0	47	1970		1.0	25	1974	
26	1.0	41	1973		2.0	51	1973	
27	0.1	53	1976		3.0	76	1971	
28	0.1	13	1976		1.0	25	1974	
29	0.1	13	1971		2.7	69	1974	
30	0.1	2	1973		6.3	160	1974	
31	0.0	76	1971		0.0	0	1971	
Monthly	0.3	69	1977		17.0	430	1971	

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

DAY	PRECIPITATION GREATEST				SNOWFALL GREATEST			
	INCHES	MM	DATE		INCHES	MM	DATE	
1	0.1	5	1976		1.0	25	1974	
2	2.0	51	1977		1.0	25	1974	
3	3.1	81	1975		3.0	76	1975	
4	0.0	0	1976		3.0	76	1975	
5	0.0	0	1977		0.0	0	1975	
6	0.0	0	1977		0.0	0	1975	
7	1.1	30	1971		10.0	254	1971	
8	0.0	0	1976		3.0	76	1976	
9	0.1	21	1974		7.0	178	1974	
10	2.0	51	1977		0.0	0	1971	
11	0.0	0	1973		1.0	25	1973	
12	0.0	0	1977		0.0	0	1973	
13	0.7	18	1977		1.0	25	1972	
14	1.1	28	1974		3.0	76	1974	
15	0.0	0	1974		1.0	25	1972	
16	1.0	25	1971		3.0	76	1977	
17	0.0	0	1974		0.0	0	1971	
18	2.0	51	1977		2.0	51	1977	
19	0.0	0	1977		1.0	25	1977	
20	1.1	28	1976		0.0	0	1977	
21	0.0	0	1977		0.0	0	1977	
22	1.0	25	1976		0.0	0	1976	
23	0.1	56	1979		0.0	0	1976	
24	1.0	25	1977		2.0	51	1974	
25	1.0	27	1976		5.0	127	1972	
26	0.0	0	1977		0.0	0	1977	
27	1.0	25	1974		0.0	0	1975	
28	1.0	25	1974		0.1	25	1975	
29	1.0	26	1977		0.0	0	1976	
30	1.0	27	1977		0.0	0	1976	
31	0.0	0	1977		0.0	0	1977	
Monthly	2.0	51	1977		1.0	25	1971	

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

4

DAILY EXTREME AMOUNTS

19611 100-5-20K-12 1-1-1962

STATION

STATION NAME

YEARS

DAY

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.0	25	76 1953			1976
2	0.12	31	1975			1961
3	0.24	57	1971			
4	1.01	43	1954			1976
5	0.0	15	1954			
6	0.0	13	1954			
7	0.67	17	1957			1970
8	1.0	35	196	2.0	51	1966
9	1.0	34	1978			1966
10	0.0	43	1977	0.9	23	1977
11	0.0	15	1973	0.0	51	1963
12	0.0	19	1932			
13	0.1	3	1963			
14	0.0	16	1964			
15	0.0	14	1972			
16	1.0	34	1973			
17	0.3	5	197			
18	0.0	25	1953			
19	0.0	12	1970			1973
20	1.0	35	1957			
21	0.4	37	1973			
22	0.0	19	1971			
23	0.0	0	1974			
24	0.6	42	196			
25	0.0	14	1973			
26	0.0	37	1972			
27	1.4	37	1956			
28	0.1	13	1979			
29	0.3	14	1961			
30	0.0	12	1972			
31	0.0	20	1955			
Monthly	0.3		1973	2.0	51	1966

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.0	53	1972			
2	1.73	44	1982			
3	0.00	20	1971			
4	1.2	32	1975			
5	0.2	18	1977			
6	1.9	51	1963			
7	0.01	13	1972			
8	0.04	16	1973			
9	0.0	19	1981			
10	1.12	28	1961			
11	0.02	5	1977			
12	1.07	27	1955			
13	0.06	6	1970			
14	0.43	12	1959			
15	1.4	36	196			
16	1.01	33	1973			
17	0.00	51	1974			
18	0.0	13	1956			
19	0.4	11	1957			
20	2.06	72	1967			
21	1.22	31	1967			
22	1.03	36	1961			
23	1.03	34	1954			
24	1.03	35	1964			
25	0.6	16	197			
26	0.04	19	1959			
27	1.03	41	197			
28	1.08	42	1956			
29	1.0	43	1962			
30	0.06	17	1964			
31						
Monthly	2.0	72	1967			

* ALSO ON EARLIER YEARS

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DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1 52-1982

STATION NAME YEARS

STATION NAME

1 52-1982

STATION

1 52-1982

1 52-1982

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.0	25.4	1979			
2	1.1	27.9	1955			
3	1.1	27.9	1957			
4	1.1	27.9	1974			
5	1.1	27.9	1981			
6	1.1	27.9	1991			
7	1.1	27.9	1997			
8	1.1	27.9	1997			
9	1.1	27.9	1974			
10	1.1	27.9	1967			
11	1.1	27.9	1958			
12	1.1	27.9	1976			
13	1.1	27.9	1957			
14	1.1	27.9	1974			
15	1.1	27.9	1978			
16	1.1	27.9	1990			
17	1.1	27.9	1978			
18	1.1	27.9	1965			
19	1.1	27.9	1971			
20	1.1	27.9	1982			
21	1.1	27.9	1981			
22	1.1	27.9	1932			
23	1.1	27.9	1953			
24	1.1	27.9	1976			
25	1.1	27.9	1967			
26	1.1	27.9	1953			
27	1.1	27.9	1957			
28	1.1	27.9	1960			
29	1.1	27.9	1991			
30	1.1	27.9	1976			
31	1.1	27.9	1976			
Monthly	1.1	27.9	1959			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.2	32	1976			
2	1.4	37	1977			
3	1.1	28	1973			
4	1.2	32	1963			
5	1.4	37	1957			
6	1.3	33	1977			
7	1.1	28	1955			
8	1.1	28	1960			
9	1.1	28	1976			
10	1.1	28	1957			
11	1.1	28	1955			
12	1.1	28	1979			
13	1.1	28	1979			
14	1.1	28	1967			
15	1.1	28	1953			
16	1.1	28	1961			
17	1.1	28	1957			
18	1.1	28	1959			
19	1.1	28	1979			
20	1.1	28	1967			
21	1.1	28	1952			
22	1.1	28	1965			
23	1.1	28	1970			
24	1.1	28	1950			
25	1.1	28	1950			
26	1.1	28	1961			
27	1.1	28	1971			
28	1.1	28	1971			
29	1.1	28	1970			
30	1.1	28	1976			
31	1.1	28	1950			
Monthly	1.1	28	1976			

* ALSO ON EARLIER YEARS
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DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION

STATION NAME

YEARS

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	0.0	1-1-77			
2	0.0	0.0	1-2-77			
3	0.0	0.0	1-3-77			
4	0.0	0.0	1-4-77			
5	0.0	0.0	1-5-77			
6	0.0	0.0	1-6-77			
7	0.0	0.0	1-7-77			
8	0.0	0.0	1-8-77			
9	0.0	0.0	1-9-77			
10	0.0	0.0	1-10-77			
11	0.0	0.0	1-11-77			
12	0.0	0.0	1-12-77			
13	0.0	0.0	1-13-77			
14	0.0	0.0	1-14-77			
15	0.0	0.0	1-15-77			
16	0.0	0.0	1-16-77			
17	0.0	0.0	1-17-77			
18	0.0	0.0	1-18-77			
19	0.0	0.0	1-19-77			
20	0.0	0.0	1-20-77			
21	0.0	0.0	1-21-77			
22	0.0	0.0	1-22-77			
23	0.0	0.0	1-23-77			
24	0.0	0.0	1-24-77			
25	0.0	0.0	1-25-77			
26	0.0	0.0	1-26-77			
27	0.0	0.0	1-27-77			
28	0.0	0.0	1-28-77			
29	0.0	0.0	1-29-77			
30	0.0	0.0	1-30-77			
31	0.0	0.0	1-31-77			
Monthly	0.0	0.0				

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	0.0	1-1-77			
2	0.0	0.0	1-2-77			
3	0.0	0.0	1-3-77			
4	0.0	0.0	1-4-77			
5	0.0	0.0	1-5-77			
6	0.0	0.0	1-6-77			
7	0.0	0.0	1-7-77			
8	0.0	0.0	1-8-77			
9	0.0	0.0	1-9-77			
10	0.0	0.0	1-10-77			
11	0.0	0.0	1-11-77			
12	0.0	0.0	1-12-77			
13	0.0	0.0	1-13-77			
14	0.0	0.0	1-14-77			
15	0.0	0.0	1-15-77			
16	0.0	0.0	1-16-77			
17	0.0	0.0	1-17-77			
18	0.0	0.0	1-18-77			
19	0.0	0.0	1-19-77			
20	0.0	0.0	1-20-77			
21	0.0	0.0	1-21-77			
22	0.0	0.0	1-22-77			
23	0.0	0.0	1-23-77			
24	0.0	0.0	1-24-77			
25	0.0	0.0	1-25-77			
26	0.0	0.0	1-26-77			
27	0.0	0.0	1-27-77			
28	0.0	0.0	1-28-77			
29	0.0	0.0	1-29-77			
30	0.0	0.0	1-30-77			
31	0.0	0.0	1-31-77			
Monthly	0.0	0.0				

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

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DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION

STATION NAME

YEARS

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	0.0	1-1-77	0.0	0.0	1-1-77
2	0.0	0.0	1-2-77	0.0	0.0	1-2-77
3	0.0	0.0	1-3-77	0.0	0.0	1-3-77
4	0.0	0.0	1-4-77	0.0	0.0	1-4-77
5	0.0	0.0	1-5-77	0.0	0.0	1-5-77
6	0.0	0.0	1-6-77	0.0	0.0	1-6-77
7	0.0	0.0	1-7-77	0.0	0.0	1-7-77
8	0.0	0.0	1-8-77	0.0	0.0	1-8-77
9	0.0	0.0	1-9-77	0.0	0.0	1-9-77
10	0.0	0.0	1-10-77	0.0	0.0	1-10-77
11	0.0	0.0	1-11-77	0.0	0.0	1-11-77
12	0.0	0.0	1-12-77	0.0	0.0	1-12-77
13	0.0	0.0	1-13-77	0.0	0.0	1-13-77
14	0.0	0.0	1-14-77	0.0	0.0	1-14-77
15	0.0	0.0	1-15-77	0.0	0.0	1-15-77
16	0.0	0.0	1-16-77	0.0	0.0	1-16-77
17	0.0	0.0	1-17-77	0.0	0.0	1-17-77
18	0.0	0.0	1-18-77	0.0	0.0	1-18-77
19	0.0	0.0	1-19-77	0.0	0.0	1-19-77
20	0.0	0.0	1-20-77	0.0	0.0	1-20-77
21	0.0	0.0	1-21-77	0.0	0.0	1-21-77
22	0.0	0.0	1-22-77	0.0	0.0	1-22-77
23	0.0	0.0	1-23-77	0.0	0.0	1-23-77
24	0.0	0.0	1-24-77	0.0	0.0	1-24-77
25	0.0	0.0	1-25-77	0.0	0.0	1-25-77
26	0.0	0.0	1-26-77	0.0	0.0	1-26-77
27	0.0	0.0	1-27-77	0.0	0.0	1-27-77
28	0.0	0.0	1-28-77	0.0	0.0	1-28-77
29	0.0	0.0	1-29-77	0.0	0.0	1-29-77
30	0.0	0.0	1-30-77	0.0	0.0	1-30-77
31	0.0	0.0	1-31-77	0.0	0.0	1-31-77
Monthly	0.0	0.0		0.0	0.0	

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	0.0	1-1-77	0.0	0.0	1-1-77
2	0.0	0.0	1-2-77	0.0	0.0	1-2-77
3	0.0	0.0	1-3-77	0.0	0.0	1-3-77
4	0.0	0.0	1-4-77	0.0	0.0	1-4-77
5	0.0	0.0	1-5-77	0.0	0.0	1-5-77
6	0.0	0.0	1-6-77	0.0	0.0	1-6-77
7	0.0	0.0	1-7-77	0.0	0.0	1-7-77
8	0.0	0.0	1-8-77	0.0	0.0	1-8-77
9	0.0	0.0	1-9-77	0.0	0.0	1-9-77
10	0.0	0.0	1-10-77	0.0	0.0	1-10-77
11	0.0	0.0	1-11-77	0.0	0.0	1-11-77
12	0.0	0.0	1-12-77	0.0	0.0	1-12-77
13	0.0	0.0	1-13-77	0.0	0.0	1-13-77
14	0.0	0.0	1-14-77	0.0	0.0	1-14-77
15	0.0	0.0	1-15-77	0.0	0.0	1-15-77
16	0.0	0.0	1-16-77	0.0	0.0	1-16-77
17	0.0	0.0	1-17-77	0.0	0.0	1-17-77
18	0.0	0.0	1-18-77	0.0	0.0	1-18-77
19	0.0	0.0	1-19-77	0.0	0.0	1-19-77
20	0.0	0.0	1-20-77	0.0	0.0	1-20-77
21	0.0	0.0	1-21-77	0.0	0.0	1-21-77
22	0.0	0.0	1-22-77	0.0	0.0	1-22-77
23	0.0	0.0	1-23-77	0.0	0.0	1-23-77
24	0.0	0.0	1-24-77	0.0	0.0	1-24-77
25	0.0	0.0	1-25-77	0.0	0.0	1-25-77
26	0.0	0.0	1-26-77	0.0	0.0	1-26-77
27	0.0	0.0	1-27-77	0.0	0.0	1-27-77
28	0.0	0.0	1-28-77	0.0	0.0	1-28-77
29	0.0	0.0	1-29-77	0.0	0.0	1-29-77
30	0.0	0.0	1-30-77	0.0	0.0	1-30-77
31	0.0	0.0	1-31-77	0.0	0.0	1-31-77
Monthly	0.0	0.0		0.0	0.0	

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WIND
(FROM DAILY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC YEARS: 1951-1952

WIND SPEED IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	44 NW	50 E	50 W	47 NW	47 NW	60 NW	40 NW	30 NW	37 NW	42 NW	41 NE	36 E	NW 65
2	40 W	30 SW	40 NW	50 W	50 W	50 W	30 NW	45 E	70 E	45 SW	41 SE	37 E	E 72
3	40 W	50 W	50 W	41 W	30 SW	30 W	30 NW	30 NW	40 SW	40 SW	41 NW	43 E	E 73
4	40 W	40 W	40 W	30 SW	40 W	30 NW	45 NW	30 NW	30 NW	30 SW	47 NW	42 E	E 74
5	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 75
6	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 76
7	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 77
8	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 78
9	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 79
10	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 80
11	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 81
12	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 82
13	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 83
14	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 84
15	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 85
16	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 86
17	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 87
18	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 88
19	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 89
20	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 90
21	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 91
22	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 92
23	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 93
24	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 94
25	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 95
26	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 96
27	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 97
28	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 98
29	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 99
30	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W	E 100
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

5 DECEMBER 1955
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
10-11	10-11-12, 10-12	10-11

STORM AT SEA. 11-12-43. 11-12-43. 11-12-43.

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION 14 11 2005-2006, NC STATION NAME YEARS

DAILY PEAK GUSTS IN KNOTS
BASED ON LESS THAN 900 OBSERVATIONS FOR MONTH

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
77	34	34	34	34	34	34	34	34	34	34	34	34	34
80	34	34	34	34	34	34	34	34	34	34	34	34	34
83	34	34	34	34	34	34	34	34	34	34	34	34	34
86	34	34	34	34	34	34	34	34	34	34	34	34	34
89	34	34	34	34	34	34	34	34	34	34	34	34	34
92	34	34	34	34	34	34	34	34	34	34	34	34	34
95	34	34	34	34	34	34	34	34	34	34	34	34	34
98	34	34	34	34	34	34	34	34	34	34	34	34	34
01	34	34	34	34	34	34	34	34	34	34	34	34	34
04	34	34	34	34	34	34	34	34	34	34	34	34	34
07	34	34	34	34	34	34	34	34	34	34	34	34	34
10	34	34	34	34	34	34	34	34	34	34	34	34	34
13	34	34	34	34	34	34	34	34	34	34	34	34	34
16	34	34	34	34	34	34	34	34	34	34	34	34	34
19	34	34	34	34	34	34	34	34	34	34	34	34	34
22	34	34	34	34	34	34	34	34	34	34	34	34	34
25	34	34	34	34	34	34	34	34	34	34	34	34	34
28	34	34	34	34	34	34	34	34	34	34	34	34	34
31	34	34	34	34	34	34	34	34	34	34	34	34	34
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC STATION MARK 10-11 YEARS 19-22 JAN NORTH

ALL WEATHER CLASS 01 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	3.0	5.0	1.0								15.2	6.5
NNE	2.0	2.0	2.0	1.0	1.0							10.0	6.4
NE	1.0	1.0	1.0									4.5	5.6
ENE												4.5	4.0
E												3.0	2.0
ESE													
SE													
SSE													
S	1.0	1.0	2.0	1.0	1.0	1.0						13.0	15.0
SSW	1.0	1.0	2.0									3.0	25.0
SW	1.0	2.0	1.0	1.0								3.0	9.2
WSW	1.0	2.0	2.0	1.0								5.2	8.1
W	1.0	3.0	2.0	1.0								5.5	6.1
WNW	1.0	1.0	1.0	1.0								6.5	7.1
NW	1.0	2.0	2.0	1.0								5.2	5.1
NNW	1.0	4.0	2.0	1.0								4.2	7.5
VARBL												6.5	8.4
CALM												9.7	6.3
	14.5	29.4	24.5	8.1	1.6	1.6						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 312

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME ASHEVILLE, NC YEARS 1972-1973 JAN MONTH 1973
 STATION 111 HOURS (L.S.T.) 0600

ALL WEATHER
CLUB

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	7.3	7.1	1.2	1.2							17.1	7.4
NNE	1.2	1.2	2.1	1.3								10.6	6.0
NE	1.2	1.2	1.2									3.2	5.1
ENE	1.2		1.2	1.3								1.3	7.3
E												1.3	4.0
ESE												1.3	4.0
SE												1.3	4.0
SSE												1.3	4.0
S	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
SSW	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
SW	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
WSW	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
W	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
WNW	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
NW	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
NNW	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
VARBL													
CALM													
	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

TOTAL NUMBER OF OBSERVATIONS

312

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 1972-1973 MONTH JAN
STATION 111 HOURS (L.S.T.) 27
CLASS 111

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	17.4	6.9
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.0	6.7
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.2	7.6
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.7
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.5
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

311

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 14-01 STATION NAME 14-01 YEAR 1984 MONTH 10

DATE 10-15-84 HOUR (L.S.T.) 1000

COORDINATE 35-55N 82-55W

CONSIDER 1000

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1	1	1	1	1							11.5	8.8
NNE	2	2	4	1	1							13.2	7.0
NE	1	1	7	1	1							4.8	7.0
ENE	1	2	2									1.2	5.3
E	1											1	2.0
ESE												1	5.0
SE		1										1.0	8.3
SSE	1		4			1						1.6	9.0
S		1	7	6								4.5	7.9
SSW	1	1	6	1								5.5	8.5
SW	1	1	1	1								8.0	7.8
WSW	1	2	3	1								2.5	9.0
W	7	1	1	4	3							9.3	8.0
WNW	1	2	3	1	1							7.1	8.7
NW	1	1	2	1	1							9.3	10.2
NNW	1	1	1	3	1							15.6	
VARBL													
CALM													
	11.1	22.5	30.5	14.4	1.0	1.6						170.0	8.9

TOTAL NUMBER OF OBSERVATIONS

511

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE, NC STATION NUMBER 17-000 YEARS 1961 MONTH JAN

CLASS ALL HOURS (L.S.T.) 13

CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.0	1.0	1.0	1.7	1.7						12.6	9.7
NNE	1.0	1.0	2.7	2.7		1.7						7.7	9.9
NE	1.0	2.7		1.7								3.0	5.6
ENE	1.0	1.0	1.0	1.7								1.3	7.3
E	1.0	1.0	1.0									1.6	5.9
ESE	1.0											1.6	5.9
SE												1.3	9.0
SSE	1.0											1.3	9.0
S	1.0	1.0	1.7	1.7	1.7	1.7						7.4	8.3
SSW	1.0	1.0	2.7	1.7								9.5	7.8
SW	1.0	1.0	3.0	1.6								6.8	8.9
WSW	1.0	1.0	3.2	1.0	1.7							5.2	9.2
W	1.0	2.7	1.0	1.0								6.5	7.6
WNW	1.0	2.7	3.0	1.0	1.6							8.1	9.9
NW	1.0	1.0	4.0	2.3	1.0							11.0	2.6
NNW	1.0	2.0	3.0	4.2	1.6							11.3	9.2
VARBL													
CALM												10.3	
	9.0	23.0	33.0	23.7	7.5	1.0						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 310

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME ASHEVILLE YEAR 1962 JAN MONTH 16

STATION NUMBER 16 HOURS (L.S.T.) 16

ALL WEATHER DATA

CONVENTION

SPEED (KNOTS) DIRE.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.0	2.2	2.5	1.7							12.6	8.9
NNE	1.0	1.1	2.3	1.6								7.1	7.0
NE	1.2	1.2	2.4	3.1								4.5	5.1
ENE	1.1	1.1	2.1	2.1								1.6	8.6
E	1.4	1.1	2.1	2.1	1.7							1.1	5.5
ESE	1.1	1.1	2.1	2.1								1.0	6.0
SE	1.1	1.1	2.1	2.1								1.0	3.7
SSE	1.7	2.1	2.1	2.1	2.1							2.6	5.2
S	1.7	2.1	2.1	2.1	2.1	2.1						6.6	8.6
SSW	1.7	2.1	2.1	2.1	2.1	2.1						7.1	7.0
SW	1.7	2.1	2.1	2.1	2.1	2.1						5.2	7.3
WSW	1.7	2.1	2.1	2.1	2.1	2.1						4.2	3.1
W	1.7	2.1	2.1	2.1	2.1	2.1						8.7	8.0
WNW	1.7	2.1	2.1	2.1	2.1	2.1						6.1	6.9
NW	1.7	2.1	2.1	2.1	2.1	2.1						12.3	8.8
NNW	1.7	2.1	2.1	2.1	2.1	2.1						10.3	8.6
VARB.												7.7	
CALA													
	10.0	29.7	27.1	15.5	4.2	1.7						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

110

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME 72-37 YEAR 19 MONTH 19

STATION ALL PLAIN CLASS CLAS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	13.2	5.2
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.8	7.2
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.6	5.6
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.6	9.0
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.6	3.7
ESE													
SE													
SSE													
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.6	11.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.6	10.2
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.9	7.5
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.2	7.6
W	2.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.6	8.3
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.5	6.7
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.0	7.3
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.3	8.3
VARBL													
CALM												25.2	
	1.0	1.0	2.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEAR 1950 JAN 1950
STATION 1-1 HOURS (L.S.T.) 22

ALL DATA
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	2.0	1.0	1.0						17.7	7.0
NNE	1.0	2.0	2.0	6.0	1.0							7.6	7.6
NE	1.0	1.0	2.0	3.0								3.2	5.0
ENE	1.0	2.0	2.0	3.0								6.6	9.5
E	1.0	2.0	2.0									6.6	3.5
ESE													
SE	1.0	1.0				1.0						2.0	13.0
SSE	1.0	1.0	1.0	2.0	1.0	1.0						7.2	6.7
S	1.0	1.0	1.0	2.0	1.0	1.0						3.2	9.6
SSW	1.0	1.0	1.0	1.0	1.0	1.0						3.2	8.5
SW	1.0	2.0	1.0	1.0	1.0	1.0						6.6	6.6
WSW	1.0	1.0	1.0	1.0	1.0	1.0						5.5	7.5
W	1.0	2.0	1.0									6.6	5.0
WNW	1.0	2.0	1.0									4.5	5.1
NW	1.0	4.0	1.0	1.0								10.0	6.7
NNW	1.0	1.0	2.0	1.0	1.0							6.1	7.2
VARIABLE													
CALM												19.4	
	10.0	20.1	19.7	9.4	2.3	1.0						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

210

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1950-51 MONTH JAN
 CLASS ALL HOURS (L.S.T.) ALL

CORRECTION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	5.0	6.0	2.7	5.5	1.1						15.0	7.8
NNE	1.3	7.0	7.0	1.7	2.0	2.0						6.9	7.0
NE	5.0	1.1	2.0	3.3	2.7							7.6	5.9
ENE	2.0	2.4	2.0	2.2								1.2	6.2
E	2.0	2.0	2.0	1.1								2.3	6.7
ESE	1.1	2.0	1.1									2.0	6.2
SE	1.1	2.0	1.1									2.3	7.6
SSE	2.0	2.0	2.0	1.1	1.1	1.1						1.2	5.8
S	1.2	1.1	1.1	3.3	2.4	2.0						4.4	8.6
SSW	1.2	1.3	1.2	2.6	2.2	1.1						4.5	7.8
SW	1.2	1.2	1.2	2.3	2.0	1.1						5.5	7.2
WSW	2.0	1.2	2.2	2.6	1.1	1.1						5.5	7.1
W	1.1	2.2	1.3	2.3	1.1							5.5	8.6
WNW	2.0	2.3	1.2	2.7	1.1							5.5	7.1
NW	1.2	2.2	2.2	1.2	1.1							8.5	8.0
NNW	1.2	2.2	2.2	2.5	2.4							9.9	8.2
VARBL													
CALM												16.4	
	1.2	15.2	24.7	12.1	2.5	2.0						10.8	6.1

TOTAL NUMBER OF OBSERVATIONS

2952

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION
FEB
NORTH

YEARS

STATION NAME

01
HOURS (L.S.T.)

ALL FILLING
CLAS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												15.6	6.9
NNE												6.4	5.7
NE												7.8	5.5
ENE												1.1	5.0
E												1.3	5.2
ESE													
SE												7	6.1
SSE												7	5.5
S												6.3	5.5
SSW												6.6	11.4
SW												3.5	4.5
WSW												2.8	7.4
W												4.2	4.3
WNW												6.7	8.4
NW												1.4	6.3
NNW												12.4	7.9
VARBL													
CALM												25.2	
												100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

242

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____

STATION _____ NORTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	12.1	6.1
NNE	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	9.2	5.9
NE	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	7.3	7.1
ENE	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.8	8.0
E	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	5.7
ESE	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7	7.0
SE	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.0
SSE	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2	5.6
S	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	4.6	6.9
SSW	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.1	6.1
SW	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4	6.4
WSW	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	4.3	3.7
W	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	9.2	7.3
WNW	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	9.5	8.6
NW	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
NNW	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
VARB	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
CALM	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS

232

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 111 STATION NAME ASHEVILLE YEARS 1952
MONTH 07
HOURS (L.S.T.) 07
CLASS 111
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2	1	2	2	1							16.0	6.1
NNE	2	1	1	1	1							6.7	7.3
NE	1	1	1	1	1							3.2	5.7
ENE	1	1	1	1	1							2.1	7.2
E	1	1	1	1	1							1.1	5.7
ESE	1	1	1	1	1							.7	7.0
SE												.4	5.5
SSE	1	1	1	1	1							1.8	6.5
S	1	1	1	1	1							3.2	7.2
SSW	1	1	1	1	1							2.2	7.7
SW	1	1	1	1	1							3.9	6.7
WSW	1	1	1	1	1							1.6	6.6
W	1	1	1	1	1							5.0	5.0
WNW	1	1	1	1	1							1.6	7.8
NW	1	1	1	1	1							6.4	8.5
NNW	1	1	1	1	1							7.4	9.2
VARB.													
CALM												31.0	
	10.0	23.0	16.0	17.5	2.1	.7						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

222

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEAR 1984 MONTH FEB
 CLASS SI HOURS (L.S.T.) 10
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	7.1	5.1	2.1	7							14.2	7.2
NNE	1.1	3.1	2.1	1.1	7							7.8	7.5
NE	4.1	1.1	1.1	4								3.2	6.6
ENE	4.1	4.1	7									1.4	6.3
E	4.1	1.1	7									1.8	5.8
ESE	4.1	7	4									1.4	7.4
SE	7	1.1										1.1	5.0
SSE	7	4										1.4	6.3
S	1.1	2.1		7								4.4	7.3
SSW	7	1.1	1.1	1.1								5.1	8.1
SW	1.1	7	1.1									3.2	7.1
WSW	4	2.1	1.1	4								4.3	6.3
W	4	1.1	1.1	7		4						5.2	9.6
WNW	7	1.1	1.1	1.1								6.7	9.2
NW	4	7	4.1	1.1	7							11.7	10.1
NNW	4	4.1	5.1	3.1	7							14.9	9.4
VARBL													
CALM												11.0	
	10.0	25.0	27.0	15.6	4.3	4						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 282

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1988
STATION 17 HOURS (L.S.T.) 17
CLASS 17
CONDITION 17

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	4.0	7.0	1.1							12.4	9.1
NNE	0.0	0.0	1.0	1.0	4.0							7.4	7.8
NE	7.0	7.0	1.0	1.0								3.0	6.8
ENE	4.0	4.0	4.0	4.0								7.0	5.5
E	1.0	4.0	7.0	4.0								1.4	9.5
ESE	1.0	1.0	1.0									1.4	1.3
SE												7.0	4.5
SSE	1.0	1.0	1.0	1.0	4.0							1.4	17.2
S	1.0	2.0	1.0	1.0		4.0						8.5	8.3
SSW	4.0	1.0	4.0	1.0								7.4	8.4
SW	7.0	4.0	2.0	7.0								3.0	8.2
WSW	1.0	1.0	1.0	4.0	7.0							4.0	7.6
W	1.0	1.0	1.0	2.0	7.0							5.7	13.8
WNW	1.0	1.0	1.0	1.0	7.0							9.4	10.8
NW	1.0	1.0	1.0	4.0	7.0							12.4	10.1
NNW	7.0	2.0	5.0	2.0	1.4							13.1	9.5
VARBL													
CALM												5.7	
	1.0	1.0	7.0	7.0	2.0	4.0						10.0	8.5

TOTAL NUMBER OF OBSERVATIONS 1000

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1983
16 MONTHS (U.S.T.)

ALL WEATHERED
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	9.3
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	6.7
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	6.3
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.3
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	8.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	5.7
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	8.5
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	6.6
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	8.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	7.2
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	7.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	10.4
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	9.3
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3	9.8
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	10.4
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	9.6
VARB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	11.7	01.7	12.7	21.6	2.2	0.7	0.0	0.0	0.0	0.0	0.0	100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

282

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

FFA MONTH

CLASS

CONDITION

[illegible]

TOTAL NUMBER OF OBSERVATIONS

282

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 1960-1961 S E R NORTH 22
STATION 111 HOURS (L.S.T.) 22
CLASS ALL WEATHERS

CONDITION

SPEED (KNTS) DIE.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	2.0	2.0	1.0	2.7							17.7	6.6
NNE	1.0	1.0	1.0	1.0								5.7	6.1
NE	1.0	1.0	1.0	1.0								1.1	7.2
ENE		1.0	1.0	1.0								2.1	9.0
E	2.7	1.0	1.0									1.7	3.5
ESE		1.0	1.0	1.0								1.1	9.3
SE	1.0	1.0	1.0	1.0								1.4	9.0
SSE	2.7	1.0	1.0	1.0	1.0							1.8	7.0
S	1.0	1.0	1.0	1.0	1.0	1.0						4.3	6.8
SSW	2.1	1.0	1.0	1.0	1.0	1.0						5.1	7.4
SW	1.0	1.0	1.0	1.0								3.2	5.2
WSW	2.7	1.0	1.0	1.0		1.0						6.6	6.2
W	1.0	1.0	1.0	1.0	1.0							5.2	8.8
WNW	1.0	1.0	1.0	1.0	1.0							7.8	7.3
NW	1.0	1.0	1.0	1.0	1.0							5.7	7.2
NNW	2.7	1.0	1.0	1.0	1.0							11.5	7.6
VARIABLE													
CALM												20.9	
	2.7	2.1	2.1	1.3	2.5	1.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

232

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1972-1973 FEP MONTH NORTH
 STATION 14-11 ALL FEASIBLE CLAS ALL HOUR (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2	2	4	2	5							13.9	7.4
NNE	1	1	1	1	1							6.7	6.8
NE	1	0	0	0	0	0						7.0	6.3
ENE	2	1	4	1	1	1						1.5	6.5
E	3	1	3	0								1.4	5.8
ESE	0	1	2	1								1.5	6.3
SE	1	1	1		0							1.4	5.9
SSE	1	0	4	0	1							1.6	6.1
S	1	1	1	2	2	2						6.7	7.3
SSW	4	1	2	1	1	1						5.5	8.1
SW	5	1	1	3	2	1						3.2	6.6
WSW	1	0	0	0	1	1						3.1	7.4
W	1	1	1	0	2	1						5.1	7.2
WNW	4	1	2	2	3	0						7.4	8.8
NW	5	2	3	2	4	4						5.4	9.0
NNW	1	2	4	2	7	1						12.4	8.6
VARBL													
CALM												17.9	
	17.1	22.8	25.4	15.1	18.0	7						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

2256

SMOS

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC STATION NAME ASHEVILLE, NC STATION NAME ASHEVILLE, NC
 DATE 14 JUL 74 DATE 14 JUL 74 DATE 14 JUL 74
 YEAR 1974 YEAR 1974 YEAR 1974
 MOON WAXING MOON WAXING MOON WAXING
 HOURS (L.S.T.) 21 HOURS (L.S.T.) 21 HOURS (L.S.T.) 21

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	10.3	6.8
NNE	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	5.8	7.7
NE	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	3.2	7.2
ENE	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6	4.0
E	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	5.4
ESE	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	8.0
SE	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	10.0
SSE	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	9.0
S	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	9.0	7.0
SSW	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	7.1	5.6
SW	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.9	5.8
WSW	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9	5.0
W	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	6.5	5.9
WNW	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	6.1	8.4
NW	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	6.1	10.8
NNW	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	7.7	8.2
VARIABLE	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	7.6	1.3
CALM	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	5.3

TOTAL NUMBER OF OBSERVATIONS

110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

DATE MONTH

74 HOURS (L.S.Y.)

17A03

2025 NOV 25

CLASS _____

COMPLIANCE

[illegible]

TOTAL NUMBER OF OBSERVATIONS

5

80108

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE YEARS 1984-1985 HAD NORTH 07
STATION 11 HOURS (L.S.T.) 07

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.5	6.5
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.7	6.8
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	4.6
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.6
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.2
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	15.5
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.5
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	8.2
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	8.1
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.7
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.6
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.3
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.4
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.2
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.9
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.9
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.1

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE MONTH MAY YEAR 1954
 STATION NUMBER 10 HOURS (L.S.T.) 10

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1	2	3	1	1	1						8.7	8.7
NNE	1	2	2	2	2	1						11.6	8.2
NE	1	2	1	1								5.2	5.2
ENE	1	1	1	1								1.0	5.8
E	1	1	1	1								2.3	5.7
ESE	1	1	1	1								2.3	5.3
SE	1	1	1	1								2.3	5.3
SSE	1	1	1	1								2.3	5.3
S	1	1	2	2	2	2						13.7	8.1
SSW	1	1	2	2	2							8.1	4.4
SW	1	1	1	1	1							5.3	2.5
WSW	1	1	1	1	2							1.3	7.3
W	1	1	1	1	1							4.5	5.8
WNW	1	1	1	1	1							5.8	10.8
NW	1	1	1	4	1	2						12.3	11.9
NNW	1	1	1	2	2	1						11.6	11.5
VARBL													
CALM												5.0	
	10.3	22.7	25.7	13.0	9.3	1.0						100.0	1.2

TOTAL NUMBER OF OBSERVATIONS

312

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE YEARS 1984 MONTH 12
STATION 11 HOURS (L.S.T.) 13

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0						9.0	9.8
NNE	1.0	1.0	1.0	1.0	1.0	1.0						4.0	8.3
NE	1.0	1.0	1.0	1.0	1.0	1.0						4.0	6.1
ENE	1.0	1.0	1.0	1.0	1.0	1.0						2.0	9.4
E	1.0	1.0	1.0	1.0	1.0	1.0						1.0	7.7
ESE	1.0	1.0	1.0	1.0	1.0	1.0						1.0	9.3
SE	1.0	1.0	1.0	1.0	1.0	1.0						1.0	7.4
SSE	1.0	1.0	1.0	1.0	1.0	1.0						2.0	7.4
S	1.0	1.0	1.0	1.0	1.0	1.0						20.0	8.9
SSW	1.0	1.0	1.0	1.0	1.0	1.0						9.0	8.6
SW	1.0	1.0	1.0	1.0	1.0	1.0						3.5	8.7
WSW	1.0	1.0	1.0	1.0	1.0	1.0						2.5	10.5
W	1.0	1.0	1.0	1.0	1.0	1.0						4.0	11.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0						6.0	10.0
NW	1.0	1.0	1.0	1.0	1.0	1.0						10.0	13.9
NNW	1.0	1.0	1.0	1.0	1.0	1.0						10.0	11.0
VARBL													
CALM												2.0	
	1.0	1.0	1.0	1.0	1.0	1.0						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

10 MONTH

YEARS

CLASS

COMBINATION

STATION

10 AUG
MONTH

15
MOVIES (L.S.T.)

[illegible]

TOTAL NUMBER OF OBSERVATIONS

1.

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION
19
MONTH
19
HOURS (L.S.T.)

YEARS

STATION NAME

CLAS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 1960 MONTH NOV
STATION 11 CLASS 11 HOURS (L.S.T.) 22

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1	1	1	1	1							6.7	7.1
NNE	1	1	1	1	1							5.9	5.9
NE	1	1	1	1	1							4.5	5.6
ENE	1	1	1	1	1							2.3	5.1
E	1	1	1	1	1							2.4	5.0
ESE	1	1	1	1	1							1.6	4.7
SE	1	1	1	1	1							3.2	5.9
SSE	1	1	1	1	1							1.1	5.6
S	1	1	1	1	1							6.5	7.1
SSW	1	1	1	1	1							4.7	4.3
SW	1	1	1	1	1							2.3	7.1
WSW	1	1	1	1	1							2.2	5.3
W	1	1	1	1	1							6.5	7.3
WNW	1	1	1	1	1							7.1	10.5
NW	1	1	1	1	1							10.5	8.7
NNW	1	1	1	1	1							10.5	8.7
VARBL												10.5	
CALM												10.5	
	1	1	1	1	1	1	1	1	1	1	1	10.5	5.3

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME: ASHEVILLE STATION NAME: ASHEVILLE STATION NAME: ASHEVILLE
 MAP NORTH: ALL MAP NORTH: ALL MAP NORTH: ALL
 HOURS (L.S.T.): ALL HOURS (L.S.T.): ALL HOURS (L.S.T.): ALL

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.9	7.9
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.6	7.3
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.3	6.1
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.5
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.5	5.6
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	7.1
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.7	5.6
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.9	7.3
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.9	7.7
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.5	7.2
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.2	6.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.1	6.8
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.4	6.8
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.1	9.2
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.9	10.9
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.9	10.0
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	15.5	
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	6.8

TOTAL NUMBER OF OBSERVATIONS

2420

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1958 MONTH APR

STATION 01 HOURS (U.S.T.) 01

CONDITION Clear

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1	2	2	1	1							10.0	6.1
NNE	1	2	1	1	1							6.7	5.8
NE	2	3	1	1	1							4.7	5.1
ENE	2	2	1	1	1							2.0	5.8
E	2	2	2	2	2							1.7	5.4
ESE	1	2	2	1	1							2.1	3.6
SE	2	2	2	1	1							1.7	5.4
SSE	1	2	1	1	1							2.0	5.7
S	2	2	1	1	1							9.0	5.3
SSW	1	1	1	1	1							4.7	5.7
SW	2	2	2	1	1							4.7	3.6
WSW	1	1	1	1	1							4.0	5.1
W	1	2	2	2	1							6.0	5.4
WNW	1	1	2	1	1							4.7	6.6
NW	1	2	1	1	1							5.7	7.4
NNW	1	1	2	1	1							6.7	6.4
VARBL													
CALM												24.3	
	22	34	30	7	10							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME ASHEVILLE, NC YEARS 1984-1985 MONTH APR

STATION 1-1 CLASS ALL WEATHER HOURS (L.S.T.) 04

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	10.7	7.7	6.7	1.7								10.7	6.6
NNE	7.7	2.7	2.7	7.7								7.7	6.6
NE	1.7	1.7	1.7	3.7								3.7	6.6
ENE	1.7	1.7	1.7									2.7	5.3
E	1.7	1.7	1.7									1.7	5.6
ESE	1.7	1.7	1.7									1.7	3.0
SE	1.7	1.7	1.7									1.7	6.3
SSE	1.7	2.7	2.7									1.7	4.7
S	1.7	2.7	1.7	1.7								2.7	6.2
SSW	1.7	1.7	1.7	1.7								4.7	5.8
SW	1.7	2.7	2.7									4.7	4.7
WSW	1.7	1.7	1.7	1.7								3.7	5.4
W	1.7	1.7	1.7									7.7	1.6
WNW	1.7	2.7	1.7									5.7	6.3
NW	1.7	2.7	2.7	1.7								5.7	7.1
NNW	1.7	1.7	2.7	1.7								8.7	6.2
VARBL													
CALM												27.7	
	10.7	33.0	17.2	5.7	3.7							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEAR 1977 MONTH APR

CLASS 1-10 HOURS (L.S.T.) 07

CONDITION 1-10

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1	1	1	1	1	1	1	1	1	1	1	15.7	6.4
NNE	1	1	1	1	1	1	1	1	1	1	1	6.0	5.2
NE	1	1	1	1	1	1	1	1	1	1	1	6.1	8.9
ENE	1	1	1	1	1	1	1	1	1	1	1	2.3	10.1
E	1	1	1	1	1	1	1	1	1	1	1	2.2	5.8
ESE	1	1	1	1	1	1	1	1	1	1	1	2.0	8.2
SE	1	1	1	1	1	1	1	1	1	1	1	2.0	6.2
SSE	1	1	1	1	1	1	1	1	1	1	1	2.0	4.8
S	1	1	1	1	1	1	1	1	1	1	1	6.1	2.8
SSW	1	1	1	1	1	1	1	1	1	1	1	4.7	6.4
SW	1	1	1	1	1	1	1	1	1	1	1	2.0	6.1
WSW	1	1	1	1	1	1	1	1	1	1	1	5.1	7.0
W	1	1	1	1	1	1	1	1	1	1	1	5.0	8.8
WNW	1	1	1	1	1	1	1	1	1	1	1	8.0	9.0
NW	1	1	1	1	1	1	1	1	1	1	1	7.7	9.1
NNW	1	1	1	1	1	1	1	1	1	1	1	7.3	7.9
VARBL	1	1	1	1	1	1	1	1	1	1	1	15.7	
CALM	1	1	1	1	1	1	1	1	1	1	1	15.0	6.0

TOTAL NUMBER OF OBSERVATIONS 100

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME ASHEVILLE, NC YEARS 1960 MONTH APR

STATION 10 HOURS (L.S.T.) 10

ALL WEATHER
CLAS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	12.7	8.8
NNE	0	0	0	0	0	0	0	0	0	0	0	6.7	6.9
NE	0	0	0	0	0	0	0	0	0	0	0	4.7	7.6
ENE	0	0	0	0	0	0	0	0	0	0	0	4.7	6.9
E	0	0	0	0	0	0	0	0	0	0	0	1.7	6.3
ESE	0	0	0	0	0	0	0	0	0	0	0	3.7	6.5
SE	0	0	0	0	0	0	0	0	0	0	0	2.7	5.7
SSE	0	0	0	0	0	0	0	0	0	0	0	5.7	8.5
S	0	0	0	0	0	0	0	0	0	0	0	10.7	7.3
SSW	0	0	0	0	0	0	0	0	0	0	0	6.7	7.6
SW	0	0	0	0	0	0	0	0	0	0	0	2.7	6.6
WSW	0	0	0	0	0	0	0	0	0	0	0	2.7	12.8
W	0	0	0	0	0	0	0	0	0	0	0	6.7	9.8
WNW	0	0	0	0	0	0	0	0	0	0	0	8.7	11.6
NW	0	0	0	0	0	0	0	0	0	0	0	9.7	11.1
NNW	0	0	0	0	0	0	0	0	0	0	0	11.6	9.7
VABL													
CALM												3.7	
	6.7	23.3	37.7	20.7	4.0	7.7						130.0	3.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1971-72 MONTH APR
 STATION NUMBER 11 HOURS (LST) 11
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7	2	7	3								5.7	8.7
NNE	2	1	1	1								4.0	7.8
NE	3	2	3	1								4.3	6.4
ENE	1	1	1	1								3.0	6.1
E	1	2	2	1								3.0	8.7
ESE	1	1	1									1.7	6.2
SE	1	1	1									2.3	7.9
SSE	1	1	1									7.0	9.8
S	1	1	1	1	1	1						15.7	12.0
SSW	1	1	1	1	1	1						6.3	9.0
SW	1	1	1	1	1	1						1.7	11.0
WSW	1	1	1	1	1	1						2.7	11.5
W	1	1	1	1	1	1						5.3	12.8
WNW	1	1	1	1	1	1						4.7	12.6
NW	1	1	1	1	1	1						17.3	12.2
NNW	1	1	1	1	1	1						8.7	10.2
VARBL													
CALM												0.7	
	4.7	10.3	11.7	31.0	16.7	1.0						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE YEARS: 1984-1985 MONTH: APR
CLASS: 16 HOURS (L.S.T.): 16

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2	2	2	2								5.7	9.8
NNE	2	1	1	1								4.3	6.7
NE	1	1	2	1								4.3	7.8
ENE	2	2	2	1	2							2.7	9.6
E	2	1	2	2	2							2.0	8.2
ESE	2	1	2	2								1.3	7.9
SE	2	2	2	2								1.7	7.0
SSE	2	1	1	2	2							4.3	2.5
S	2	1	1	2	2							3.0	9.6
SSW	2	2	2	2	2							11.6	3.1
SW	2	1	1	1	1							9.3	7.8
WSW	2	2	1	1	2	2						2.7	9.6
W	2	2	1	2	2							4.3	12.0
WNW	2	1	1	4	2	2						6.3	13.2
NW	2	2	2	4	1	2						9.3	12.4
NNW	2	4	4	4	1	2						10.7	13.2
VARBL													
CALM												0.7	
	4.7	15.7	47.9	30.3	5.7	2.7	3					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME ASHEVILLE YEARS 19
 MONTHS 19
 MONTHS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1	1	2	1	1							6.1	7.5
NNE	1	1	1	1	1							3.7	7.5
NE	1	1	1	1	1							2.3	8.9
ENE	1	1	1	1	1							2.3	5.6
E	1	1	1	1	1	1						2.7	6.9
ESE	1	1	1	1	1							3.1	5.7
SE	1	1	1	1	1							3.1	4.1
SSE	1	1	1	1	1							3.1	7.4
S	1	1	1	1	1	1						18.0	7.1
SSW	1	1	1	1	1	1						9.7	6.9
SW	1	1	1	1	1	1						4.7	5.7
WSW	1	1	1	1	1	1						1.1	5.3
W	1	1	1	1	1	1						2.7	8.0
WNW	1	1	1	1	1	1						8.0	8.6
NW	1	1	1	1	1	1						9.7	9.2
NNW	1	1	1	1	1	1						10.3	8.1
VARBL													
CALM												7.0	
	15.0	15.0	27.2	14.7	2.7	1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: _____ YEARS: _____ MONTH: _____
CLASS: _____ HOURS (L.S.T.): _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.2
NNE	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.9
NE	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	6.9
ENE	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.0
E	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.3
ESE	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.3
SE	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.7
SSE	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.3
S	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	7.2
SSW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.8
SW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.1
WSW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	6.0
W	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.5
WNW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.3
NW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	6.7
NNW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	7.9
VARBL	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	19.7
CALM	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	100.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME: _____ YEAR: _____ A.P. MONTH: _____
 CLASS: _____ HOURS (L.T.): _____
 CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1	3	2	1	1							10.3	7.4
NNE	1	2	1	1								5.3	6.6
NE	1	1	1	1								4.3	6.6
ENE	1	1	1	1	1							2.8	7.1
E	1	1	1	1	1	1						2.2	6.9
ESE	1	1	1	1	1	1	1					2.5	5.6
SE	1	1	1	1	1	1	1	1				1.2	5.6
SSE	1	1	1	1	1	1	1	1	1			1.3	7.7
S	1	1	1	1	1	1	1	1	1	1		12.4	3.1
SSW	1	1	1	1	1	1	1	1	1	1		6.5	7.3
SW	1	1	1	1	1	1	1	1	1	1		3.4	5.3
WSW	1	1	1	1	1	1	1	1	1	1		3.1	7.6
W	1	1	1	1	1	1	1	1	1	1		5.3	7.3
WNW	1	1	1	1	1	1	1	1	1	1		7.2	9.4
NW	1	1	1	1	1	1	1	1	1	1		8.6	6.6
NNW	1	1	1	1	1	1	1	1	1	1		1.7	9.0
VARBL													
CALM												12.7	
	12.4	5.3	5.3	1.3	9.7	6.9	1.3					10.3	6.2

TOTAL NUMBER OF OBSERVATIONS

2400

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 1984 MAY MONTH

CLASS 101 HOURS (L.S.T.) 01

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												2.7	5.5
NNE												4.5	5.3
NE												3.2	4.1
ENE												2.9	3.9
E												2.9	3.7
ESE												2.2	2.9
SE												1.6	4.9
SSE												1.6	4.2
S												12.4	5.6
SSW												5.0	6.1
SW												2.9	4.2
WSW												4.2	5.2
W												2.3	3.7
WNW												1.2	4.2
NW												2.3	4.1
NNW												5.0	3.2
VABL													
CALM												73.0	
												100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

101

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

STATION NAME

1-25
MONTH

CLASS

MOORE (L.S.T.)

CONDITION

[illegible]

TOTAL NUMBER OF OBSERVATIONS

1

AD-A150 394

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
BRUNSWICK MAINE(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

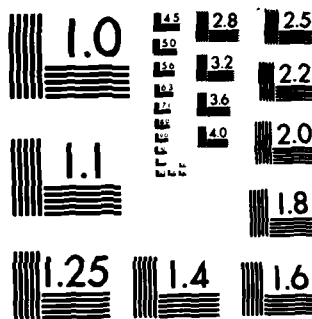
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

13-27

YEARS

MAY
MONTH

07
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.0	3.0	4.0	1.0								12.1	5.7
NNE	1.0	5.0	1.0	1.0								9.4	5.4
NE	1.0	1.0	1.0									3.0	5.2
ENE	1.0	1.0	1.0									3.0	5.3
E	1.0	3.0	1.0	1.0								6.1	4.7
ESE	1.0	1.0	1.0									1.0	5.3
SE	1.0	1.0	1.0									1.0	3.5
SSE	1.0	1.0	1.0									3.0	4.7
S	2.0	2.0	3.0	1.0	1.0							10.0	6.6
SSW	1.0	1.0	2.0	1.0	1.0							7.4	7.2
SW	1.0	1.0	1.0	1.0	1.0							1.6	6.0
WSW	1.0	1.0	1.0	1.0	1.0							2.6	6.0
W	1.0	1.0	1.0	1.0	1.0							3.0	5.7
WNW	1.0	1.0	2.0	1.0	1.0							4.5	8.7
NW	1.0	1.0	2.0	1.0	1.0							5.8	6.8
NNW	1.0	1.0	2.0	1.0	1.0							5.8	7.6
VABL													
CALM												17.1	
	10.7	20.0	26.1	5.1	1.0							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1972-1973 MONTH MAY
HOURS (L.S.T.) 10

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1	1	2	2	3							7.1	9.1
NNE	1	2	1	1	1							6.0	5.6
NE	1	2	1	1	1							6.1	6.2
ENE	1	1	1	1	1							3.2	5.2
E	1	2	1	1	1							5.2	5.7
ESE	1	1	1	1	1							4.2	3.3
SE	1	2	1	1	1							4.8	5.5
SSE	1	1	1	1	1							5.5	5.9
S	2	1	1	1	1							12.6	7.8
SSW	1	2	1	1	1							8.1	7.2
SW	1	1	1	1	1							1.7	4.5
WSW	1	1	1	1	1							2.2	5.8
W	1	1	1	1	1							2.6	8.4
WNW	1	1	1	1	1							5.5	5.4
NW	1	1	2	2	1							6.2	10.0
NNW	1	1	1	1	1							6.1	10.7
VARIABLE													
CALM												1.7	
	10.0	13.0	13.0	12.7	1.3							110.0	7.3

TOTAL NUMBER OF OBSERVATIONS

110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEAR 1973 MONTH MAY

STATION 11 MOORE (L.S.T.) 11

ALL WEATHER CLAIM

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0								4.2	8.2
NNE		1.0	1.0	1.0								1.5	9.5
NE		1.0	1.0	1.0								3.5	8.6
ENE		1.0	2.0	1.0								4.5	6.7
E		1.0	1.0									3.5	6.3
ESE		1.0	1.0	1.0								3.5	5.9
SE		2.0	1.0	1.0								5.5	6.4
SSE		2.0	2.0	1.0								7.1	7.5
S		3.0	14.0	1.0	1.0	1.0						32.3	9.9
SSW		1.0	2.0	1.0	1.0	1.0						8.7	10.1
SW		1.0	1.0	1.0	1.0	1.0						2.3	7.3
WSW		1.0	1.0	1.0	1.0	1.0						1.2	9.0
W				1.0	1.0	1.0						1.2	13.0
WNW			1.0	1.0	1.0	1.0						9.2	11.4
NW			1.0	1.0	1.0	1.0						7.7	11.6
NNW			1.0	1.0	1.0	1.0						4.5	11.1
VARBL													
CALM												1.0	
	1.0	1.0	36.0	30.0	2.0	1.0						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1951-1952 MONTH MAY

CLAS 11-17-21 HOURS (L.S.T.) 16

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N				1	2							4.4	10.8
NNE				1								2.3	9.6
NE												2.3	7.0
ENE												2.6	6.5
E												3.9	6.3
ESE												2.2	7.7
SE												5.2	6.5
SSE												10.3	6.0
S												11.6	10.0
SSW												11.6	10.0
SW												1.3	6.3
WSW												1.3	10.3
W												3.2	9.8
WNW												3.9	11.8
NW												5.5	11.2
NNW												5.8	11.9
VARBL													
CALM												1.0	
	4.5	25.0	14.2	26.5	14.7	6						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC STATION NAME ASHEVILLE, NC

DATE 11-22 YEAR 19

MOON 19

MOON (L.S.T.) 19

ALL-FAINED CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.1	6.2
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	6.0
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	5.6
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	5.2
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.5	4.3
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.5	3.6
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.3
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.8	5.2
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	7.7
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	7.8
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.5	5.1
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	5.6
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	5.7
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.5	8.4
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.5	8.7
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.2

TOTAL NUMBER OF OBSERVATIONS

110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 124 STATION NAME 124 YEARS 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1	1	1	1	1	1	1	1	1	1	1	5.1	4.5
NNE	1	1	1	1	1	1	1	1	1	1	1	4.5	7.1
NE	1	1	1	1	1	1	1	1	1	1	1	3.5	5.1
ENE	1	1	1	1	1	1	1	1	1	1	1	1.9	4.3
E	1	1	1	1	1	1	1	1	1	1	1	3.5	3.5
ESE	1	1	1	1	1	1	1	1	1	1	1	1.9	2.8
SE	1	1	1	1	1	1	1	1	1	1	1	2.6	3.4
SSE	1	1	1	1	1	1	1	1	1	1	1	1.9	4.4
S	1	1	1	1	1	1	1	1	1	1	1	3.0	5.4
SSW	1	1	1	1	1	1	1	1	1	1	1	4.7	6.4
SW	1	1	1	1	1	1	1	1	1	1	1	3.2	4.1
WSW	1	1	1	1	1	1	1	1	1	1	1	3.2	4.4
W	1	1	1	1	1	1	1	1	1	1	1	2.9	4.3
WNW	1	1	1	1	1	1	1	1	1	1	1	3.2	5.2
NW	1	1	1	1	1	1	1	1	1	1	1	2.9	5.7
NNW	1	1	1	1	1	1	1	1	1	1	1	5.4	5.4
VARBL	1	1	1	1	1	1	1	1	1	1	1	10.4	
CALM	1	1	1	1	1	1	1	1	1	1	1	10.4	
	1	1	1	1	1	1	1	1	1	1	1	10.4	

TOTAL NUMBER OF OBSERVATIONS

112

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1950-51 MONTH MAY
STATION 411 HOURS (L.S.T.) 411

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.0	2.0	1.0	1.0							7.0	6.0
NNE	1.0	1.0	1.0	1.0	1.0							4.0	5.0
NE	1.0	1.0	1.0	1.0	1.0							3.0	5.0
ENE	1.0	1.0	1.0	1.0	1.0							3.0	5.0
E	1.0	1.0	1.0	1.0	1.0							4.0	5.0
ESE	1.0	1.0	1.0	1.0	1.0							2.0	4.0
SE	1.0	1.0	1.0	1.0	1.0							2.0	5.0
SSE	1.0	2.0	1.0	1.0	1.0							5.0	5.0
S	2.0	5.0	5.0	3.0	1.0							20.0	8.0
SSW	1.0	2.0	2.0	1.0	1.0							6.0	7.0
SW	1.0	1.0	1.0	1.0	1.0							3.0	5.0
WSW	1.0	1.0	1.0	1.0	1.0							2.0	5.0
W	1.0	1.0	1.0	1.0	1.0							2.0	6.0
WNW	1.0	1.0	1.0	1.0	1.0							3.0	8.0
NW	1.0	1.0	1.0	1.0	1.0							5.0	2.0
NNW	1.0	1.0	1.0	1.0	1.0							5.0	8.0
VARBL													
CALM												16.0	
	1.0	25.0	26.0	12.0	1.0	1.0						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

2480

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1984 MONTH JULY
STATION 01 HOURS (L.S.T.) 01

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1	2	1									6.7	4.1
NNE	1	1	1									2.7	2.8
NE	1	1	1									1.7	3.6
ENE	1	2	1									1.7	3.2
E	1	3										2.7	2.0
ESE	1	1										1.7	2.7
SE	1	1	1									3.7	3.7
SSE	1	2	1									5.7	6.0
S	1	2	5	1								20.7	5.3
SSW	1	2	1	1								7.7	6.1
SW	1	2	2									2.7	3.6
WSW	1	1	1									2.7	3.6
W	1	2										2.7	2.0
WNW	1	1	1	1								2.7	6.4
NW	1	1	1	1								3.7	4.1
NNW	1	2	1	1								5.7	5.3
VARBL													
CALM												35.7	
	10.7	20.7	12.0	3.7								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME: _____ YEAR: _____ MONTH: _____

CLASS: _____ HOURS (L.R.T.): _____

CONDITION: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N												3.7	4.8
NNE												2.7	4.1
NE												3.7	4.0
ENE												2.3	3.3
E												1.7	2.4
ESE												1.3	3.8
SE												1.7	4.2
SSE												3.2	8.6
S												17.7	5.7
SSW												7.3	6.5
SW												3.3	3.0
WSW												3.0	3.8
W												3.7	6.0
WNW												1.3	7.3
NW												3.0	4.8
NNW												5.0	3.7
VARBL													
CALM												12.0	
												100.0	3.4

TOTAL NUMBER OF OBSERVATIONS: 300

SMOS

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME

YEARS

11 MONTH

27
HOURS (L.S.T.)

CLASS

CONDITION

[illegible]

TOTAL NUMBER OF OBSERVATIONS

32

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
HOURS (L.S.T.) _____

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												7.3	7.2
NNE												5.9	5.9
NE												4.6	7.6
ENE												2.7	4.8
E												4.3	4.5
ESE												2.3	4.3
SE												1.3	4.0
SSE												2.7	5.6
S												2.4	7.4
SSW												1.3	7.5
SW												4.3	6.6
WSW												1.3	7.3
W												2.7	9.0
WNW												6.7	7.8
NW												7.7	7.6
NNW												4.7	6.3
VARBL													
CALM												6.3	

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												7.5	
NNE												5.7	6.4
NE												7.5	6.6
ENE												7.5	6.6
E												7.5	6.6
ESE												7.5	6.6
SE												7.5	6.6
SSE												7.5	6.6
S												7.5	6.6
SSW												7.5	6.6
SW												7.5	6.6
WSW												7.5	6.6
W												7.5	6.6
WNW												7.5	6.6
NW												7.5	6.6
NNW												7.5	6.6
VARBL												7.5	6.6
CALM												7.5	6.6

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME: 74-00 YEARS: 1901 MONTH: 16
 CLASS: ALL WEATHER HOUR (L.S.T.): 16

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			1.7	1.7								4.0	9.2
NNE												2.3	6.1
NE												1.3	4.5
ENE			1.7									2.7	5.1
E			1.7									2.3	4.0
ESE												3.0	6.8
SE			1.7	1.7								4.3	5.8
SSE			2.7	3.3	1.7							3.4	7.4
S			5.0	14.7	1.7							14.3	9.7
SSW			2.3	1.7								5.1	9.1
SW			1.7	2.0	1.7							1.7	8.6
WSW												1.3	10.5
W				3.3								6.0	9.0
WNW			1.7	4.0	1.7							3.7	9.6
NW				1.7	1.7							2.3	7.8
NNW			1.7	1.7								1.0	
VARIABLE													
CALM													
	1.7	12.7	69.2	26.5	1.7							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME STATION YEARS 1984-1985 MONTH NOV
 STATION NUMBER 1111 HOURS (L.S.T.) 19
 CLAS 1111

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												3.0	5.2
NNE												2.7	6.6
NE												4.4	9.2
ENE												1.3	5.5
E												4.7	4.1
ESE												2.0	5.2
SE												4.3	4.1
SSE												5.3	5.4
S												29.5	6.8
SSW												21.0	7.7
SW												4.3	5.4
WSW												2.0	3.7
W												4.1	5.5
WNW												3.2	5.2
NW												3.7	4.4
NNW												3.7	4.7
VARBL												5.0	
CALM												1.0	4.0

TOTAL NUMBER OF OBSERVATIONS 100

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1984-1985 MONTH 11

CLASS ALL HOURS (L.S.T.) 22

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	1.0	1.0								4.0	5.3
NNE	1.0	1.0	1.0									1.0	4.2
NE	1.0	1.0	1.0									1.0	4.0
ENE	1.0	1.0	1.0									2.0	5.0
E	1.0	1.0	1.0									2.0	2.4
ESE	1.0	1.0	1.0									2.0	3.8
SE	1.0	1.0	1.0									1.0	3.8
SSE	1.0	1.0	1.0									4.0	4.9
S	1.0	1.0	1.0	2.0								25.0	5.7
SSW	1.0	1.0	1.0	2.0								9.0	7.7
SW	1.0	1.0	1.0	1.0								3.0	5.4
WSW	1.0	1.0	1.0									2.0	3.1
W	1.0	1.0	1.0									5.0	3.5
WNW	1.0	1.0	1.0									3.0	5.0
NW	1.0	1.0	1.0									1.0	3.9
NNW	1.0	1.0	1.0									1.0	5.2
VARB													
CALM												22.0	
	10.0	18.0	13.0	3.0								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 100

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1984-1985 MONTH JUN
 STATION 11 HOURS (L.S.T.) ALL

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1	2	1	0								6.6	5.8
NNE	1	1	1	2								3.7	5.4
NE	2	2	2	2								2.5	5.6
ENE	1	1	1	1								1.9	4.8
E	1	1	1	1								2.0	4.7
ESE	1	1	1	1								2.1	4.9
SE	1	1	1	1								2.2	4.9
SSE	1	2	1	5	1							5.7	6.4
S	2	2	2	3	2							2.4	7.4
SSW	1	2	5	2	1							12.6	7.9
SW	1	1	2	1								3.4	5.9
WSW	1	1	1	1								2.2	4.9
W	1	1	1	1								3.4	5.7
WNW	1	1	1	1								4.7	7.3
NW	1	1	1	1								5.5	6.8
NNW	1	1	1	1								4.2	5.8
VARB													
CALA												13.4	
	11.0	20.0	25.0	11.4	4							100	5.7

TOTAL NUMBER OF OBSERVATIONS

2400

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1984-1985 MONTH JULY
 CLASS ALL WEATHER HOURS (L.S.T.) 21

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	2.0	1.0									0.1	5.3
NNE	1.0	1.0	1.0									1.0	4.0
NE	1.0	1.0	1.0									1.0	3.0
ENE	1.0	1.0	1.0									1.0	4.7
E	1.0	1.0	1.0									1.0	3.3
ESE	1.0	1.0	1.0									1.0	2.3
SE	1.0	1.0	1.0									1.0	1.7
SSE	1.0	1.0	1.0									2.3	3.6
S	1.0	1.0	1.0									17.7	4.8
SSW	1.0	1.0	1.0									9.4	5.8
SW	1.0	1.0	1.0									5.5	5.9
WSW	1.0	1.0	1.0									2.5	7.5
W	1.0	1.0	1.0									2.7	5.6
WNW	1.0	1.0	1.0									3.2	3.7
NW	1.0	1.0	1.0									3.2	3.9
NNW	1.0	1.0	1.0									3.5	4.6
VARB													
CALM												17.1	
	21.0	21.0	10.0	2.0								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE YEARS 1957
STATION 111 NORTH 74
HOURS (L.S.T.) 04
CONDITION ALL
CLAS

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1	2	1									6.2	2.2
NNE	1	1	1									2.9	3.1
NE	1	1	1									1.6	2.6
ENE	1	1	1									1.1	3.0
E	1	1	1									2.3	2.9
ESE	1	1	1									1.0	2.0
SE	1	1	1									1.1	3.2
SSE	1	1	1									2.3	2.1
S	1	1	1									17.8	4.9
SSW	1	1	1									4.2	5.3
SW	1	1	1									3.5	5.6
WSW	1	1	1									2.3	4.6
W	1	1	1									2.5	2.8
WNW	1	1	1									1.6	6.0
NW	1	1	1									2.4	5.9
NNW	1	1	1									4.1	8.7
VARBL													
CALM												10.7	
	10.1	2.4	3.4	1.6								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 312

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1961-1962 MONTH JULY
STATION 1111 CLASS SEA LEVEL HOURS (L.S.T.) 07

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	1.3									9.4	8.4
NNE	1.3	1.3	1.3									5.5	4.6
NE	1.3	1.3	1.3									2.4	3.3
ENE	1.3	1.3	1.3									2.4	3.9
E	1.3	1.3	1.3									1.3	3.5
ESE	1.3	1.3	1.3									1.3	3.6
SE	1.3	1.3	1.3									1.3	3.7
SSE	1.3	1.3	1.3									2.0	3.1
S	1.3	1.3	1.3	1.3	1.3							16.1	5.6
SSW	1.3	1.3	1.3	1.3	1.3							7.4	5.6
SW	1.3	1.3	1.3									6.5	4.7
WSW	1.3	1.3	1.3									3.2	3.2
W	1.3	1.3	1.3									2.2	5.1
WNW	1.3	1.3	1.3									7.4	6.1
NW	1.3	1.3	1.3	1.3	1.3							4.5	7.0
NNW	1.3	1.3	1.3	1.3	1.3							6.5	6.5
VARBL													
CALM												16.1	
	11.3	29.4	19.7	2.9	3.5							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME ASHEVILLE YEARS 1961-1962 MONTH NOV
 STATION NUMBER 1111 HOURS (L.S.T.) 11
 CLAS 1111

CONDITION

SPEED (KNOTS) DIRE.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1	3	1	1								7.8	6.6
NNE	1	1	1									3.9	5.0
NE	1	1	1									2.6	5.3
ENE	1	1	1									1.2	1.2
E	1	2	1									3.2	4.6
ESE	1	1	1									2.6	4.8
SE	1	1	1									2.6	5.4
SSE	1	2	1									5.2	4.8
S	1	2	1	1								21.4	7.1
SSW	1	1	1	1	1							11.2	6.3
SW	1	1	1	1	1							3.2	6.3
WSW	1	1	1	1	1							1.6	5.0
W	1	1	1	1	1							5.2	7.3
WNW	1	1	1	1	1							5.2	8.9
NW	1	1	1	1	1							7.7	7.5
NNW	1	1	1	1	1							7.9	2.7
VARBL													
CALM												6.6	
	1	1	1	1	1	1	1	1	1	1	1	100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1984-1985 MONTH 11

CLASS 11-15 HOURS (L.S.T.) 17

CONDITION _____

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0							4.5	7.4
NNE		1.0	1.0									2.0	5.7
NE			1.0									1.0	5.7
ENE												1.0	5.7
E		1.0										2.0	4.1
ESE			1.0									1.0	5.5
SE		1.0										1.0	5.2
SSE		1.0	1.0									5.2	6.6
S		4.0	1.0	1.0								10.0	9.7
SSW		4.0	1.0	4.0								12.0	8.6
SW		1.0	1.0	1.0								3.0	9.3
WSW		1.0	1.0									2.0	7.6
W			1.0	1.0								2.0	11.3
WNW		1.0	1.0	2.0								3.0	9.3
NW		1.0	1.0	2.0								6.0	10.1
NNW		1.0	2.0	1.0								5.0	9.3
VARIABLE													
CALM												2.0	
		2.0	4.0	2.0	1.0							10.0	8.7

TOTAL NUMBER OF OBSERVATIONS

317

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1964

STATION 16 HOURS (L.S.T.) 16

CONDITION CLAS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1	1	1								3.2	7.5
NNE		1										1.0	5.6
NE												0.5	4.0
ENE		1	1	1								1.2	5.6
E		1	1									1.2	5.3
ESE	1	1										1.2	4.5
SE		1										2	5.0
SSE		1	1	1								4.5	6.6
S		2	1	1	1							3.2	4.5
SSW	1	1	1	1	1	1						24.7	8.6
SW		1	1	1	1							5.0	3.6
WSW		1	1	1	1							2.7	8.0
W		1	1	1	1							2.9	7.2
WNW		1	1	1	1	1						3.2	11.0
NW		1	1	1	1							6.8	3.2
NNW		1	1	1	1							5.2	7.8
VARBL													
CALM												1.0	
		12.7	46.7	16.7	16.7							115.7	

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME _____ MONTH _____

STATION _____ HOURS (L.S.T.) _____

STATION _____ YEARS _____

STATION _____

STATION _____

STATION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												5.3	4.3
NNE												1.5	4.6
NE												1.0	3.7
ENE												1.0	4.2
E												1.0	4.7
ESE												1.0	4.2
SE												2.0	4.4
SSE												4.0	4.6
S												2.0	5.0
SSW												2.0	6.2
SW												7.1	5.3
WSW												2.0	3.7
W												2.0	3.0
WNW												3.0	3.0
NW												5.0	5.0
NNW												2.0	6.5
VARB												2.0	6.0
CALM												2.0	
												1.0	5.4

TOTAL NUMBER OF OBSERVATIONS _____

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME 1-11 MONTH 1-11
YEARS 2-2
HOURS (L.S.T.) 2-2

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													1.0
NNE													2.5
NE													3.5
ENE													3.5
E													4.7
ESE													3.8
SE													3.8
SSE													3.8
S													3.8
SSW													2.0
SW													5.0
WSW													5.0
W													5.0
WNW													3.0
NW													4.0
NNW													4.0
VARBL													5.0
CALM													5.0
													5.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1961 MONTH JUL
 CLASS ALL HOURS (L.S.T.) ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												2.1	5.7
NNE												2.1	4.5
NE												1.5	4.5
ENE												1.7	4.7
E												1.5	4.1
ESE												1.9	3.9
SE												1.5	3.9
SSE												3.2	4.5
S												2.2	5.5
SSW												1.3	7.2
SW												3.3	6.3
WSW												2.2	5.1
W												3.1	5.7
WNW												4.1	7.0
NW												4.5	7.1
NNW												5.3	6.7
VARBL													
CALM												16.7	
												100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

2472

SMOS

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE YEAR: 1967 MONTH: AUG
 CLASS: 04 HOURS (L.S.T.): 04

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____

DATE
MONTH

07
HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1	1	2	1								17.4	3.2
NNE	2	2	1	1								6.6	3.0
NE	1	1	1	2								2.5	4.3
ENE	1	1	1									1.3	3.0
E	1	1	1									1.3	3.2
ESE	1	1	1									2.5	3.2
SE	1	1	1									1.3	3.2
SSE	1	1	1									1.3	3.2
S	2	2	1	2								15.4	4.2
SSW	1	1	2	2								8.1	4.4
SW	1	1	1	1								3.6	5.3
WSW	1	1	1	1								2.6	4.0
W	1	2	2	3								5.4	3.2
WNW	2	1	1	1								7.5	4.6
NW	1	2	1	1								5.7	6.3
NNW	1	1	1									5.4	5.3
VARBL													
CALM													
	21.0	30.0	16.2	3.0	1							1.0	1.8

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE YEARS 1984 MONTH NOV

CLASS ALL
HOURS (LST) 24

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.0	5.0
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.1	5.2
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.2	5.6
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	5.3
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.5	3.8
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.4
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.5
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.6
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	14.5	6.8
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.1	7.2
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	5.9
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	5.1
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.1	6.4
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.5	8.3
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.4	8.7
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.1	7.9
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.0	
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	5.9

TOTAL NUMBER OF OBSERVATIONS

110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													7.6
NNE													7.6
NE													5.4
ENE													5.5
E													5.0
ESE													5.2
SE													4.1
SSE													3.2
S													7.4
SSW													3.3
SW													4.1
WSW													7.8
W													6.4
WNW													6.8
NW													9.9
NNW													8.7
VARBL													9.1
CALM													

TOTAL NUMBER OF OBSERVATIONS

112

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1966 MONTH 11
CLAS 11 HOUR (L.S.T.) 11

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												3.0	7.0
NNE												1.0	5.0
N E												1.0	7.0
ENE												1.0	5.0
E												2.0	5.0
ESE												3.0	5.0
SE												2.0	5.0
SSE												3.0	7.0
S												13.0	5.0
SSW												17.0	5.0
SW												5.0	5.0
WSW												1.0	10.0
W												2.0	5.0
WNW												4.0	5.0
NW												4.0	7.0
NNW												4.0	9.0
VARB												2.0	
CALM												1.0	7.0

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME _____ YEARS _____
CLASS _____
CONDITION _____
HOURS (L.S.T.) _____
MOON _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													6.7
NNE													4.3
NE													3.6
ENE													3.0
E													3.7
ESE													3.7
SE													3.8
SSE													3.5
S													3.2
SSW													6.4
SW													4.9
WSW													8.6
W													5.3
WNW													5.6
NW													5.2
NNW													6.5
VARBL													
CALM													
													5.0

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE, NC YEARS 1984 MONTH AUG

CLASS ALL WEATHER HOURS (L.S.T.) 22

COMBINATION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												5.0	3.9
NNE												3.5	3.2
NE												3.0	5.0
ENE												1.5	3.2
E												1.5	3.4
ESE												1.0	3.8
SE												1.5	2.0
SSE												2.5	4.7
S												10.0	5.8
SSW												12.5	5.4
SW												3.2	4.8
WSW												1.6	6.2
W												3.2	3.5
WNW												2.6	3.5
NW												2.6	4.9
NNW												4.5	4.9
VARBL													
CALM												10.0	
	25.0	25.0	12.5	2.5								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1984 ALL MONTHS

STATION 411 CLASS 1 MONTHS (L.S.Y.) 1984

CONDITION 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1	1	1	1	1	1	1	1	1	1	1	2.0	4.9
NNE	1	1	1	1	1	1	1	1	1	1	1	3.7	4.6
NE	1	1	1	1	1	1	1	1	1	1	1	2.1	5.1
ENE	1	1	1	1	1	1	1	1	1	1	1	1.7	4.2
E	1	1	1	1	1	1	1	1	1	1	1	2.1	4.5
ESE	1	1	1	1	1	1	1	1	1	1	1	2.3	5.2
SE	1	1	1	1	1	1	1	1	1	1	1	2.0	5.2
SSE	1	1	1	1	1	1	1	1	1	1	1	3.0	5.7
S	1	1	1	1	1	1	1	1	1	1	1	3.4	6.5
SSW	1	1	1	1	1	1	1	1	1	1	1	3.7	6.3
SW	1	1	1	1	1	1	1	1	1	1	1	3.0	5.6
WSW	1	1	1	1	1	1	1	1	1	1	1	4.1	5.1
W	1	1	1	1	1	1	1	1	1	1	1	3.0	6.6
WNW	1	1	1	1	1	1	1	1	1	1	1	4.1	7.0
NW	1	1	1	1	1	1	1	1	1	1	1	3.7	6.7
NNW	1	1	1	1	1	1	1	1	1	1	1	3.0	6.7
VARBL	1	1	1	1	1	1	1	1	1	1	1	3.0	6.7
CALM	1	1	1	1	1	1	1	1	1	1	1	3.0	6.7

TOTAL NUMBER OF OBSERVATIONS

248

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME ASHEVILLE YEARS 1984 SEP 01 MONTH 01 HOURS (LST) 01

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												2.7	4.0
NNE												5.0	6.3
NE												1.0	4.7
ENE												2.7	2.5
E												2.7	2.6
ESE												1.0	3.5
SE												2.7	4.7
SSE												2.7	7.1
S												11.7	4.7
SSW												11.7	4.6
SW												5.0	5.9
WSW												1.0	4.2
W												3.0	4.2
WNW												1.0	4.8
NW												7.0	5.6
NNW												4.7	4.5
VARBL												17.0	
CALM												1.0	3.3

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME _____ YEARS _____

CLASS _____

CONDITION _____

STATION _____

MOON _____

MOON (L.S.T.) _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N												1.0	4.0
NNE												6.7	5.2
NE												1.0	5.0
ENE													
E												7.7	1.0
ESE													
SE												2.5	2.5
SSE												2.7	4.5
S												6.7	6.1
SSW												7.7	7.3
SW												1.7	3.3
WSW												2.7	3.2
W												3.3	4.5
WNW												4.0	4.8
NW												2.0	4.2
NNW												5.0	4.4
VARBL													
CALM												1.0	2.2

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME _____ YEARS _____ MONTH _____ HOUR (L.S.T.) _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												17.3	4.4
NNE												7.7	5.0
NE												3.4	5.4
ENE												1.0	3.7
E												1.0	2.7
ESE												7.7	2.5
SE												2.0	4.0
SSE												1.7	5.4
S												4.3	5.3
SSW												6.1	5.5
SW												5.7	5.2
WSW												5.0	4.2
W												4.0	5.3
WNW												6.1	6.2
NW												4.0	6.0
NNW												5.7	3.3
VARBL												2.3	
CALM												3.3	4.0

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME _____ YEARS _____ MONTH _____
 DATE _____ HOUR (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												5.7	6.1
NNE												3.7	5.0
NNE												3.7	4.5
NE												3.7	4.5
ENE												2.7	3.6
E												2.7	3.6
ESE												1.7	2.6
SE												1.7	2.6
SSE												1.7	2.6
S												1.7	2.6
SSW												1.7	2.6
SW												1.7	2.6
WSW												1.7	2.6
W												1.7	2.6
WNW												1.7	2.6
NW												1.7	2.6
NNW												1.7	2.6
VARBL												1.7	2.6
CALM												1.7	2.6
												1.7	2.6

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

MONTH

HOURS (L.S.T.)

YEARS

STATION NAME

CLASS

CONDITION

[illegible]

TOTAL NUMBER OF OBSERVATIONS

SOWS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____

CLAS _____

CONDITION _____

MOORE (L.S.T.) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												4.7	7.5
NNE												4.7	6.1
NE												4.7	4.5
ENE												4.7	4.5
E												4.7	4.5
ESE												4.7	4.5
SE												4.7	4.5
SSE												4.7	4.5
S												4.7	4.5
SSW												4.7	4.5
SW												4.7	4.5
WSW												4.7	4.5
W												4.7	4.5
WNW												4.7	4.5
NW												4.7	4.5
NNW												4.7	4.5
VARBL												4.7	4.5
CALM												4.7	4.5

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME STATION NAME YEARS SEP
MONTH 18
HOURS (L.S.T.) 18

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.1	2.0									5.7	5.3
NNE	2.0	2.7										1.7	7.2
NE	2.0	2.1	2.0									1.5	5.3
ENE	1.0	2.0										1.7	2.9
E	1.7	2.0										1.7	2.6
ESE	2.0	2.0										1.0	2.6
SE	1.0	2.0	2.0									2.3	4.6
SSE	2.0	1.7										4.2	3.3
S	2.0	1.0	2.0	1.0	1.0							2.7	5.9
SSW	2.0	2.0	4.0	2.0	2.0							15.5	5.7
SW	2.0	2.0	2.0									2.3	4.7
WSW	2.0	1.0	2.0	2.0								2.7	5.3
W	2.0	2.0	2.0									1.7	4.6
WNW	1.0	1.0	1.0	2.0								1.7	6.5
NW	1.0	2.0	2.0									1.7	4.9
NNW	1.0	2.0	1.0	2.0								5.2	5.9
VARBL													
CALM												17.7	
	2.0	2.0	1.7	2.7	1.7							17.0	4.4

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____
MONTH _____
HOURS (L.S.T.) _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1	1								7.3	4.2
NNE	1	1	1									2.7	4.3
NE	1	1	1									2.9	4.3
ENE	1	1	1									7.7	3.1
E													4.0
ESE													3.1
SE		1	1	1								1.3	7.8
SSE												2.0	5.2
S	1	1	1	1	1	1						15.7	5.2
SSW	1	1	1	1	1	1						11.3	5.3
SW	1	1	1	1	1	1						6.3	6.3
WSW		1	1	1								2.2	6.3
W		1	1	1								4.0	7.6
WNW		1	1									1.3	4.3
NW	1	1	1	1								3.2	6.1
NNW	1	1	1	1								6.1	5.9
VARBL													
CALM												15.7	
	1	1	1	1	1	1						10.3	4.3

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 1950-1951 I.F.C. MONTH ALL

CLASS ALL HOURS (U.S.T.) ALL

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	1.4	2.7	1.1	1.1							6.9	5.1
NNE	1.4	2.2	1.1	1.1	1.1							5.1	5.5
NE	1.1	1.4	1.1	1.1	1.1							2.6	4.2
ENE	1.1	1.1	1.1	1.1	1.1							1.4	4.2
E	1.1	1.1	1.1	1.1	1.1							1.4	3.5
ESE	1.1	1.1	1.1	1.1	1.1							1.4	3.5
SE	1.1	1.1	1.1	1.1	1.1							1.4	5.1
SSE	1.1	1.1	1.1	1.1	1.1							1.4	5.1
S	2.2	5.7	5.7	2.7	2.7							17.6	7.1
SSW	1.4	3.4	4.7	1.4	1.4							11.2	7.6
SW	1.4	1.4	1.4	1.4	1.4							4.2	6.1
WSW	1.4	1.4	1.4	1.4	1.4							2.6	5.4
W	1.4	1.4	1.4	1.4	1.4							3.4	5.9
WNW	1.4	1.4	1.4	1.4	1.4							4.2	7.6
NW	1.4	1.4	1.4	1.4	1.4							4.2	7.2
NNW	1.4	1.4	2.2	1.4	1.4							6.9	6.7
VARBL													
CALM												19.9	
	1.4	2.2	2.2	2.2	1.4	1.4						10.0	5.1

TOTAL NUMBER OF OBSERVATIONS

2400

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, N.C.

STATION NAME _____ YEARS _____ OCT MONTH _____
 CLASS _____ HOURS (L.S.T.) _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												12.6	4.5
NNE												6.1	5.1
NE												2.0	6.1
ENE												1.4	5.6
E												1.5	6.2
ESE												1.1	6.3
SE												1.1	3.0
SSE												2.3	7.6
S												4.5	6.8
SSW												6.0	6.2
SW												5.1	5.7
WSW												3.5	4.9
W												5.2	3.8
WNW												3.2	5.2
NW												3.2	6.7
NNW												7.6	5.6
VARBL												29.4	
CALM												100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE YEARS 1984 MONTH OCT
CLASS 10-15 HOURS (L.S.T.) 04
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												12.3	4.5
NNE												6.5	5.5
NE												1.0	7.0
ENE												1.0	7.0
E												1.0	7.0
ESE												1.0	7.0
SE												1.0	7.0
SSE												1.0	7.0
S												1.0	7.0
SSW												1.0	7.0
SW												1.0	7.0
WSW												1.0	7.0
W												1.0	7.0
WNW												1.0	7.0
NW												1.0	7.0
NNW												1.0	7.0
VARB												1.0	7.0
CALM												1.0	7.0

TOTAL NUMBER OF OBSERVATIONS 311

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME ASHEVILLE YEARS 1957 MONTH NOV
 STATION NUMBER 11111 HOUR (LST) 07
 CLIM CLIM

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1	2	2	1								15.1	5.1
NNE	1	2	1	2								3.3	5.1
NE	1	1	1	2								1.9	7.7
ENE	1	1	1	2								1.9	4.6
E	1	2	1	2								1.3	6.6
ESE			1									1	4.0
SE												1	3.0
SSE												1.3	5.0
S	1	2	2	2	2							2.4	6.7
SSW	1	1	2	1								6.2	7.2
SW	1	1	1	2								5.3	5.9
WSW	1	1	1	1								3.2	5.6
W	1	1	1	1								2.2	5.7
WNW	1	1	1	2								3.2	6.6
NW	1	1	1	2								8.5	6.4
NNW	1	2	2	2								10.5	5.7
VARBL												27.4	
CALM												10.5	4.2

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 111 STATION NAME ASHEVILLE YEARS 1952-1953 MONTH OCT
 CLASS ALL HOUR (L.S.T.) 10

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1	2	1	1								14.2	7.9
NNE	1	1	1	1								8.1	5.4
NE	1	1	1	1								4.4	5.8
ENE	1	1	1	1								2.3	7.2
E	1	1	1	1								1.0	4.7
ESE	1	1	1	1								2.3	4.0
SE	1	1	1	1								1.6	4.6
SSE	1	1	1	1								2.2	6.0
S	1	1	1	1	1							8.1	4.7
SSW	1	1	1	1	1							2.7	8.2
SW	1	1	1	1	1	1						5.8	10.4
WSW	1	1	1	1	1	1						1.8	5.8
W	1	1	1	1	1	1						4.2	8.3
WNW	1	1	1	1	1	1						7.7	8.9
NW	1	1	1	1	1	1						5.3	9.7
NNW	1	1	1	1	1	1						10.6	9.0
VARBL												5.0	
CALM												100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME _____ YEARS _____ OCT NORTH
CLAS _____ HOUR (U.S.T.) 17

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												10.3	2.3
NNE												6.1	7.6
NE												7.0	5.3
ENE												2.3	3.0
E												1.9	5.6
ESE												3.2	7.7
SE												1.3	5.2
SSE												3.5	7.8
S												13.7	8.4
SSW												2.7	9.3
SW												4.5	1.7
WSW												3.2	2.0
W												7.7	9.1
WNW												5.5	9.7
NW												7.1	9.9
NNW												5.4	7.1
VARBL													
CALM													
												10.0	9.4

TOTAL NUMBER OF OBSERVATIONS

11

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1957 NORTH 057
CLAS 14 HOURS (L.S.T.) 14

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1	1	1	1								5.4	2.4
NNE	1	1	1	1								4.5	6.5
NE	1	1	1	1								2.5	6.5
ENE	1	1	1	1								1.5	5.5
E	1	1	1	1								2.5	6.4
ESE	1	1	1	1								1.5	6.2
SE	1	1	1	1								1.5	5.7
SSE	1	1	1	1								5.5	6.2
S	1	1	1	1								23.1	6.2
SSW	1	1	1	1								11.1	7.7
SW	1	1	1	1								7.2	7.1
WSW	1	1	1	1								3.2	7.2
W	1	1	1	1								3.5	2.5
WNNW	1	1	1	1								5.5	6.1
NW	1	1	1	1								8.4	9.4
NNW	1	1	1	1								2.1	8.6
VARBL													
CALM												1.0	
	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	10.5	7.5

TOTAL NUMBER OF OBSERVATIONS

110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION
007
NORTH
15
HOURS (L.S.T.)

YEARS

STATION NAME

11-11-11
CLEAR

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1	1	2	1								7.1	7.2
NNE	1		1									2.1	5.7
NE	1	1	1	1								3.2	5.8
ENE	1	1	1	1								7.7	4.5
E	1	1	1	1								3.2	3.1
ESE	1	1	1	1								2.0	7.0
SE	1	1	1	1								1.1	2.5
SSE	1	1	1	1								2.2	4.4
S	1	1	1	1								13.4	5.5
SSW	1	1	1	1								7.1	6.2
SW	1	1	1	1								7.2	4.8
WSW	1	1	1	1								7.7	4.5
W	1	1	1	1								2.1	5.9
WNW	1	1	1	1								2.1	5.9
NW	1	1	1	1								2.1	5.9
NNW	1	1	1	1								2.1	6.2
VARB.												15.1	
CALM												17.0	9.6

TOTAL NUMBER OF OBSERVATIONS

111

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

[illegible][illegible]

TOTAL NUMBER OF OBSERVATIONS

SOWS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: _____ YEAR: _____ MONTH: _____
CLASS: _____ HOURS: _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1	1	1	1	1							11.7	6.2
NNE	1	1	1	1	1							5.4	6.1
NE	1	1	1	1	1							5.2	5.5
ENE	1	1	1	1	1							1.7	5.0
E	1	1	1	1	1							2.2	5.6
ESE	1	1	1	1	1							1.7	5.4
SE	1	1	1	1	1							1.7	5.4
SSE	1	1	1	1	1							2.2	5.1
S	1	1	1	1	1	1						2.2	6.2
SSW	1	1	1	1	1	1						12.1	6.3
SW	1	1	1	1	1	1						1.7	7.2
WSW	1	1	1	1	1	1						8.5	7.7
W	1	1	1	1	1	1						3.4	6.5
WNW	1	1	1	1	1	1						5.4	6.3
NW	1	1	1	1	1	1						5.1	7.2
NNW	1	1	1	1	1	1						5.5	7.6
VARBL	1	1	1	1	1	1						6.1	7.1
CALM												17.0	
	17	17	17	17	17	17						12.1	5.5

TOTAL NUMBER OF OBSERVATIONS

2420

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

NOV
MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												100	5.2
NNE												7	4.4
NE												7	4.4
ENE												100	5.4
E												100	5.3
ESE												7	5.5
SE													
SSE												100	5.4
S												40	9.1
SSW												60	5.4
SW												60	5.7
WSW												40	5.7
W												40	5.7
WNW												60	6.4
NW												40	6.5
NNW												60	5.3
VARBL													
CALM												100	4.2

TOTAL NUMBER OF OBSERVATIONS

SMOS

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

[illegible][illegible]

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME ASHEVILLE YEARS 1954-55 MONTH NOV
STATION 11 CLASS SEA STATE HOURS (L.S.T.) 07

CONDITION

SPEED (KATS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1	1	1	1	1							10.7	4.5
NNE	1	1	1	1	1							8.7	5.0
NE	1	1	1	1	1							7.0	3.7
ENE	1	1	1	1	1							1.2	4.8
E												3	2.0
ESE												1.0	1.0
SE												3	4.0
SSE												1.0	7.3
S	1	1	1	1	1							6.7	7.8
SSW	1	1	1	1	1							6.0	7.3
SW	1	1	1	1	1							6.0	6.3
WSW	1	1	1	1	1							6.7	5.3
W	1	1	1	1	1							2.3	6.4
WNW	1	1	1	1	1							4.7	6.0
NW	1	1	1	1	1							3.7	7.9
NNW	1	1	1	1	1							7.3	6.1
VARBL													
CALM												27.1	
	11.3	10.7	15.3	10.0	1.7							100	6.1

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____
CLAS _____ HOURS (G.M.T.) _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1	1	1	1	1	1	1	1	1	1	1	10.1	7.5
NNE	1	1	1	1	1	1	1	1	1	1	1	11.3	5.7
NE	1	1	1	1	1	1	1	1	1	1	1	6.1	4.9
ENE	1	1	1	1	1	1	1	1	1	1	1	2.1	6.2
E	1	1	1	1	1	1	1	1	1	1	1	3.0	6.3
ESE	1	1	1	1	1	1	1	1	1	1	1	1	7.0
SE	1	1	1	1	1	1	1	1	1	1	1	1	7.0
SSE	1	1	1	1	1	1	1	1	1	1	1	7.7	7.6
S	1	1	1	1	1	1	1	1	1	1	1	7.1	8.4
SSW	1	1	1	1	1	1	1	1	1	1	1	7.7	7.6
SW	1	1	1	1	1	1	1	1	1	1	1	6.1	7.0
WSW	1	1	1	1	1	1	1	1	1	1	1	9.0	8.0
W	1	1	1	1	1	1	1	1	1	1	1	5.0	9.1
WNW	1	1	1	1	1	1	1	1	1	1	1	4.7	11.1
NW	1	1	1	1	1	1	1	1	1	1	1	11.7	8.7
NNW	1	1	1	1	1	1	1	1	1	1	1	1	1
VARBL	1	1	1	1	1	1	1	1	1	1	1	1	1
CALM	1	1	1	1	1	1	1	1	1	1	1	1	1

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030

HOURS (L.S.T.) 17

CONDITION CLAS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												10.7	7.2
NNE												10.7	7.2
NE												10.7	7.2
ENE												10.7	7.2
E												10.7	7.2
ESE												10.7	7.2
SE												10.7	7.2
SSE												10.7	7.2
S												10.7	7.2
SSW												10.7	7.2
SW												10.7	7.2
WSW												10.7	7.2
W												10.7	7.2
WNW												10.7	7.2
NW												10.7	7.2
NNW												10.7	7.2
VARBL												10.7	7.2
CALM												10.7	7.2

TOTAL NUMBER OF OBSERVATIONS 300

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

NOV
MONTH

16
HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				1.7								9.7	6.1
NNE												5.0	6.0
NE												3.0	3.0
ENE												1.0	3.0
E												1.7	6.0
ESE												1.7	4.0
SE												1.0	4.0
SSE												3.0	5.0
S				1.7								11.0	6.0
SSW				1.7								10.0	7.0
SW												6.7	6.1
WSW				1.7								5.0	3.0
W				1.7								3.7	3.0
WNW				1.7								9.7	7.0
NW				1.7								9.0	7.0
NNW				1.7								10.7	7.0
VARBL													
CALM												5.7	
				1.7	1.7							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

100

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME STATION YEARS 1967 MONTH NOV
CLASS 19 HOURS (L.S.T.) 19

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												10.3	5.0
NNE												6.6	5.0
NE												1.7	4.8
ENE												1.7	5.2
E												1.7	4.6
ESE													
SE												1.7	4.0
SSE												1.7	4.0
S												0.7	7.1
SSW												8.7	5.7
SW												7.0	5.0
WSW												1.7	6.3
W												5.0	4.7
WNW												4.7	5.3
NW												5.7	7.8
NNW												10.0	6.0
VARB													
CALM												2.0	
												10.0	4.7

TOTAL NUMBER OF OBSERVATIONS

500

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME: _____ YEAR: _____ MONTH: MAY
CLASS: 11 HOURS (L.S.T.): 22
CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												2.7	4.4
NNE												7.7	5.3
NE												2.1	4.6
ENE												1	2.0
E												1.0	2.0
ESE												1.0	2.0
SE												1.0	5.3
SSE												1.0	4.3
S												10.1	7.7
SSW												3.7	7.6
SW												6.0	7.2
WSW												5.3	5.6
W												7.7	4.7
WNW												5.7	7.5
NW												3.7	5.3
NNW												10.1	6.0
VARBL												14.3	
CALM												100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 710

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE STATION MARK NOV NORTH
CLASS 411 HOURS (L.S.T.) 411

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	11.0	5.7
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0	5.6
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	4.4
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.1
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.5
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.1
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.4
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.2
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.4
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.2
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.7
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.8
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.1
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.6
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	8.6
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.1
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.5
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.5

TOTAL NUMBER OF OBSERVATIONS 2400

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION

CLASS _____

COMPLIANCE

[illegible]

TOTAL NUMBER OF OBSERVATIONS

1

SOWS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME _____ MONTH _____

STATION _____ YEARS _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												17.6	4.3
NNE												16.2	3.3
NE												15.5	4.7
ENE												15.5	4.7
E												15.5	4.7
ESE												15.5	4.7
SE												15.5	4.7
SSE												15.5	4.7
S												15.5	4.7
SSW												15.5	4.7
SW												15.5	4.7
WSW												15.5	4.7
W												15.5	4.7
WNW												15.5	4.7
NW												15.5	4.7
NNW												15.5	4.7
VARBL												15.5	4.7
CALM												15.5	4.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME ASHEVILLE YEARS 1960 MONTH NOV

CLASS 10 HOURS (L.S.T.) 10

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N												10.0	7.0
NNE												11.0	7.0
NE												12.0	7.0
ENE												13.0	7.0
E												14.0	7.0
ESE												15.0	7.0
SE												16.0	7.0
SSE												17.0	7.0
S												18.0	7.0
SSW												19.0	7.0
SW												20.0	7.0
WSW												21.0	7.0
W												22.0	7.0
WNW												23.0	7.0
NW												24.0	7.0
NNW												25.0	7.0
VARBL												26.0	7.0
CALM												27.0	7.0
												28.0	7.0
												29.0	7.0
												30.0	7.0
												31.0	7.0
												32.0	7.0
												33.0	7.0
												34.0	7.0
												35.0	7.0
												36.0	7.0
												37.0	7.0
												38.0	7.0
												39.0	7.0
												40.0	7.0
												41.0	7.0
												42.0	7.0
												43.0	7.0
												44.0	7.0
												45.0	7.0
												46.0	7.0
												47.0	7.0
												48.0	7.0
												49.0	7.0
												50.0	7.0
												51.0	7.0
												52.0	7.0
												53.0	7.0
												54.0	7.0
												55.0	7.0
												56.0	7.0
												57.0	7.0
												58.0	7.0
												59.0	7.0
												60.0	7.0
												61.0	7.0
												62.0	7.0
												63.0	7.0
												64.0	7.0
												65.0	7.0
												66.0	7.0
												67.0	7.0
												68.0	7.0
												69.0	7.0
												70.0	7.0
												71.0	7.0
												72.0	7.0
												73.0	7.0
												74.0	7.0
												75.0	7.0
												76.0	7.0
												77.0	7.0
												78.0	7.0
												79.0	7.0
												80.0	7.0
												81.0	7.0
												82.0	7.0
												83.0	7.0
												84.0	7.0
												85.0	7.0
												86.0	7.0
												87.0	7.0
												88.0	7.0
												89.0	7.0
												90.0	7.0
												91.0	7.0
												92.0	7.0
												93.0	7.0
												94.0	7.0
												95.0	7.0
												96.0	7.0
												97.0	7.0
												98.0	7.0
												99.0	7.0
												100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												100	7.5
NNE												90	7.4
NE												80	7.3
ENE												70	7.2
E												60	7.1
ESE												50	7.0
SE												40	6.9
SSE												30	6.8
S												20	6.7
SSW												10	6.6
SW												0	6.5
WSW												0	6.4
W												0	6.3
WNW												0	6.2
NW												0	6.1
NNW												0	6.0
VARB												0	5.9
CALM												70	5.8

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												10.1	7.1
NNE												7.1	5.7
NE												7.2	4.2
ENE												1	2.1
E												1.1	4.7
ESE												1	5.1
SE												1.1	7.4
SSE												5.3	7.6
S												7.1	6.7
SSW												6.1	4.1
SW												5.1	4.2
WSW												5.3	4.5
W												7.1	7.2
WNW												5.1	7.2
NW												13.5	4.4
NNW												13.2	3.1
VARBL													
CALM												12.1	
												5.1	6.2

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME _____ DATE _____
STATION _____ MONTH _____
CLASS _____ HOURS (L.S.T.) _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												11	5.0
NNE												0	5.3
NE												1	4.8
ENE												1	4.2
E												1	7.1
ESE												1	10.2
SE												1	10.2
SSE												1	7.0
S												1	12.0
SSW												2	4.4
SW												2	7.7
WSW												2	5.6
W												2	5.4
WNW												2	7.0
NW												2	7.0
NNW												2	1.3
VARBL												2	7.7
CALM												1	

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1957 MONTH DEC
CLASS ALL HOURS (L.S.T.) 22

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.2	3.2	1.2	2.2							14.2	5.5
NNE	1.2	1.2	3.2	1.2	2.2							10.2	4.3
NE	1.2	1.2	3.2	1.2	2.2							1.2	3.3
ENE	1.2	1.2	3.2	1.2	2.2							1.2	3.5
E	1.2	1.2	3.2	1.2	2.2							1.2	5.1
ESE	1.2	1.2	3.2	1.2	2.2							1.2	2.0
SE	1.2	1.2	3.2	1.2	2.2							1.2	13.5
SSE	1.2	1.2	3.2	1.2	2.2							1.2	11.5
S	1.2	1.2	3.2	1.2	2.2							4.2	4.5
SSW	1.2	1.2	3.2	1.2	2.2							5.5	7.6
SW	1.2	1.2	3.2	1.2	2.2							4.5	6.1
WSW	1.2	1.2	3.2	1.2	2.2							4.2	5.5
W	1.2	1.2	3.2	1.2	2.2							5.2	4.3
WNW	1.2	1.2	3.2	1.2	2.2							4.5	4.5
NW	1.2	1.2	3.2	1.2	2.2							1.2	6.5
NNW	1.2	1.2	3.2	1.2	2.2							3.7	3.0
YARL													
CALM												2.7	
												100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME STATION YEARS 1984 DIRECTION NORTH
 CLAS 111 HOURS (L.S.T.) 111

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1	1	1	1	1	1	1	1	1	1	1	11.7	6.1
NNE	1	1	1	1	1	1	1	1	1	1	1	9.1	6.7
NE	1	1	1	1	1	1	1	1	1	1	1	2.0	4.2
ENE	1	1	1	1	1	1	1	1	1	1	1	1.0	5.2
E	1	1	1	1	1	1	1	1	1	1	1	1.0	5.2
ESE	1	1	1	1	1	1	1	1	1	1	1	1.0	6.1
SE	1	1	1	1	1	1	1	1	1	1	1	1.0	6.6
SSE	1	1	1	1	1	1	1	1	1	1	1	1.0	10.5
S	1	1	1	1	1	1	1	1	1	1	1	4.7	7.2
SSW	1	1	1	1	1	1	1	1	1	1	1	6.4	7.4
SW	1	1	1	1	1	1	1	1	1	1	1	5.0	6.2
WSW	1	1	1	1	1	1	1	1	1	1	1	4.7	5.0
W	1	1	1	1	1	1	1	1	1	1	1	4.1	6.2
WNW	1	1	1	1	1	1	1	1	1	1	1	5.0	8.3
NW	1	1	1	1	1	1	1	1	1	1	1	8.0	8.9
NNW	1	1	1	1	1	1	1	1	1	1	1	10.5	8.3
VARBL	1	1	1	1	1	1	1	1	1	1	1	17.1	
CALM	1	1	1	1	1	1	1	1	1	1	1	17.1	
	1	1	1	1	1	1	1	1	1	1	1	17.1	5.7

TOTAL NUMBER OF OBSERVATIONS

2474

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1911 MONTH ALL
CLASS ALL HOURS (L.S.T.) ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.0	2.0	1.0	2.0	2.0						10.2	3.5
NNE	1.0	2.0	1.0	1.0	2.0	2.0						5.0	3.3
NE	1.0	1.0	1.0	1.0	2.0	2.0						2.0	5.6
ENE	1.0	2.0	2.0	1.0	2.0	2.0						1.0	3.5
E	1.0	2.0	2.0	2.0	2.0	2.0						1.0	3.1
ESE	1.0	2.0	2.0	1.0	2.0	2.0						1.0	3.3
SE	1.0	2.0	2.0	1.0	2.0	2.0						1.0	3.9
SSE	1.0	1.0	1.0	1.0	1.0	1.0						2.0	4.5
S	1.0	3.0	4.0	2.0	2.0	2.0						14.0	7.3
SSW	1.0	2.0	2.0	1.0	2.0	2.0						6.7	7.5
SW	1.0	1.0	1.0	1.0	2.0	2.0						4.0	6.4
WSW	1.0	1.0	1.0	1.0	1.0	2.0						3.0	6.0
W	1.0	1.0	1.0	1.0	1.0	2.0						4.0	6.4
WNW	1.0	1.0	1.0	1.0	2.0	2.0						6.7	8.0
NW	1.0	1.0	1.0	1.0	2.0	2.0						6.0	8.6
NNW	1.0	1.0	2.0	1.0	2.0	2.0						5.0	7.9
VARBL													
CALM												16.7	
	1.0	1.0	2.0	1.0	1.0	2.0						1.0	5.0

TOTAL NUMBER OF OBSERVATIONS

25015

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (U.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												12.3	7.0
NNE												9.4	6.7
NE												5.6	6.2
ENE												4.3	6.4
E												5.7	5.8
ESE												5.0	5.3
SE												3.7	6.1
SSE												5.0	2.0
S												5.7	7.3
SSW												6.3	7.9
SW												2.4	6.5
WSW												1.4	5.3
W												1.3	4.3
WNW												1.7	6.0
NW												1.7	5.7
NNW												4.1	6.2
VARBL													
CALM												12.7	
												100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 9072

SMOS

NOCD, Federal Building
Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	≥ 1	$\geq \frac{3}{4}$	≥ 0
NO CEILING											
≥ 1800											
≥ 1500					91.0						92.6
≥ 1200											
≥ 1000											
≥ 900											
≥ 800											
≥ 700											
≥ 600											
≥ 500									97.4		98.1
≥ 400											
≥ 300											
≥ 200											
≥ 100											
0					95.4		96.9		98.3		100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.

Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with > 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with > 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10
 Scattered converted to 3/10
 Broken converted to 9/10
 Overcast converted to 10/10
 Obscured converted to 10/10

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

2225

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
At 20000													
At 18000													
At 16000													
At 14000													
At 12000													
At 10000													
At 9000													
At 8000													
At 7000													
At 6000													
At 5000													
At 4500													
At 4000													
At 3500													
At 3000													
At 2500													
At 2000													
At 1800													
At 1500													
At 1200													
At 1000													
At 900													
At 800													
At 700													
At 600													
At 500													
At 400													
At 300													
At 200													
At 100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURE (L S T) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING ≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS _____

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

HOURS (L S)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	AI 10	AI 6	AI 5	AI 4	AI 3	AI 2½	AI 2	AI 1½	AI 1¼	AI 1	AI ¾	AI ¾	AI ½	AI 5/16	AI ¼	AI 0
NO CEILING																
AI 20000																
AI 18000																
AI 16000																
AI 14000																
AI 12000																
AI 10000																
AI 9000																
AI 8000																
AI 7000																
AI 6000																
AI 5000																
AI 4500																
AI 4000																
AI 3500																
AI 3000																
AI 2500																
AI 2000																
AI 1800																
AI 1500																
AI 1200																
AI 1000																
AI 900																
AI 800																
AI 700																
AI 600																
AI 500																
AI 400																
AI 300																
AI 200																
AI 100																
AI 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEAN/NET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEAN:1ET SM:OS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

1225

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVCEANDET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION _____ MONTH _____ YEARS _____ HOURS (LST) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														TOTAL NUMBER OF OBSERVATIONS
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
≥ 20000															
18000															
16000															
14000															
12000															
10000															
9000															
8000															
7000															
6000															
5000															
4500															
4000															
3500															
3000															
2500															
2000															
1800															
1500															
1200															
1000															
900															
800															
700															
600															
500															
400															
300															
200															
100															
0															

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOVES (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
AI 20000														
AI 18000														
AI 16000														
AI 14000														
AI 12000														
AI 10000														
AI 9000														
AI 8000														
AI 7000														
AI 6000														
AI 5000														
AI 4500														
AI 4000														
AI 3500														
AI 3000														
AI 2500														
AI 2000														
AI 1800														
AI 1500														
AI 1200														
AI 1000														
AI 900														
AI 800														
AI 700														
AI 600														
AI 500														
AI 400														
AI 300														
AI 200														
AI 100														
AI 0														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
AI 20000													
AI 18000													
AI 16000													
AI 14000													
AI 12000													
AI 10000													
AI 9000													
AI 8000													
AI 7000													
AI 6000													
AI 5000													
AI 4500													
AI 4000													
AI 3500													
AI 3000													
AI 2500													
AI 2000													
AI 1800													
AI 1500													
AI 1200													
AI 1000													
AI 900													
AI 800													
AI 700													
AI 600													
AI 500													
AI 400													
AI 300													
AI 200													
AI 100													
AI 0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING ≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•
18000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
16000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
14000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
12000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
10000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
9000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
8000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
7000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
6000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
5000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
4500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
4000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
3500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
3000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
2500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
2000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
1800 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
1500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
1200 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
1000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
900 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
800 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
700 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
600 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
400 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
300 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
200 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
100 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
0 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

1225

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
AI 20000														
AI 18000														
AI 16000														
AI 14000														
AI 12000														
AI 10000														
AI 9000														
AI 8000														
AI 7000														
AI 6000														
AI 5000														
AI 4500														
AI 4000														
AI 3500														
AI 3000														
AI 2500														
AI 2000														
AI 1800														
AI 1500														
AI 1200														
AI 1000														
AI 900														
AI 800														
AI 700														
AI 600														
AI 500														
AI 400														
AI 300														
AI 200														
AI 100														
AI 0														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

TEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
AI 20000												
AI 18000												
AI 16000												
AI 14000												
AI 12000												
AI 10000												
AI 9000												
AI 8000												
AI 7000												
AI 6000												
AI 5000												
AI 4500												
AI 4000												
AI 3500												
AI 3000												
AI 2500												
AI 2000												
AI 1800												
AI 1500												
AI 1200												
AI 1000												
AI 900												
AI 800												
AI 700												
AI 600												
AI 500												
AI 400												
AI 300												
AI 200												
AI 100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEN:1ET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000													
AI 18000													
AI 16000													
AI 14000													
AI 12000													
AI 10000													
AI 9000													
AI 8000													
AI 7000													
AI 6000													
AI 5000													
AI 4500													
AI 4000													
AI 3500													
AI 3000													
AI 2500													
AI 2000													
AI 1800													
AI 1500													
AI 1200													
AI 1000													
AI 900													
AI 800													
AI 700													
AI 600													
AI 500													
AI 400													
AI 300													
AI 200													
AI 100													
AI 0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET STAS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLEIGH, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
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2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIPTAVOCEANDET SMOS

AD-A150 394 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 3/4
BRUNSWICK MAINE(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
BRUNSWICK MAINE(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

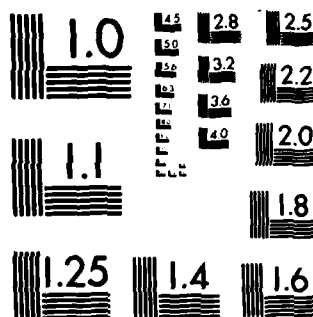
3/4

UNCLASSIFIED DETACHMENT HSEVILLE NO AUG 64 F/G 4/2 NL

F/G 4/2

NL

A 10x10 grid of squares, with the top-left square missing.



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

7

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 20000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
18000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
16000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
14000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
12000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
10000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
9000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
8000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
7000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
6000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
5000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
4500	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
4000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
3500	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
3000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2500	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
1800	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
1500	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
1200	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
1000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
900	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
800	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
700	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
600	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
500	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
400	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
300	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
200	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
100	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 20000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 18000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 16000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 14000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 12000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 10000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 9000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 8000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 7000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 6000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 5000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 4500	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 4000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 3500	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 3000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 2500	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 2000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 1800	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 1500	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 1200	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 1000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 900	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 800	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 700	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 600	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 500	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 400	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 300	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 200	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 100	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 0	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1 2
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING	75.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 20000	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 18000	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 16000	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 14000	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 12000	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 10000	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 9000	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 8000	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 7000	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 6000	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 5000	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 4500	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 4000	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 3500	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 3000	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 2500	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 2000	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 1800	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 1500	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 1200	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 1000	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 900	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 800	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 700	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 600	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 500	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 400	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 300	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 200	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 100	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0

TOTAL NUMBER OF OBSERVATIONS

11

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MO

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1

HOURLY (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 10
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 20000	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 18000	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 16000	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 14000	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 12000	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 10000	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 9000	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 8000	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 7000	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 6000	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 5000	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 4500	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 4000	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 3500	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 3000	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 2500	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 2000	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 1800	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 1500	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 1200	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 1000	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 900	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 800	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 700	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 600	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 500	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 400	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 300	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 200	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 100	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0

TOTAL NUMBER OF OBSERVATIONS

11

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ 5/16
NO CEILING	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 20000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 18000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 16000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 14000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 12000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 10000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 9000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 8000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 7000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 6000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 5000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 4500	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 4000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 3500	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 3000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 2500	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 2000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 1800	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 1500	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 1200	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 1000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 900	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 800	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 700	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 600	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 500	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 400	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 300	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 200	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 100	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
AI 0	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

5.1
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 18000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 16000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 14000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 12000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 10000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 9000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 8000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 7000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 6000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 5000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 4500	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 4000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 3500	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 3000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 2500	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 2000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 1800	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 1500	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 1200	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 1000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 900	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 800	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 700	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 600	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 500	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 400	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 300	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 200	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 100	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING	1.7	4.2	7.9	11.5	15.2	18.9	22.6	26.3	30.0	33.7	37.4
≥ 20000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
18000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
16000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
14000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
12000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
10000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
9000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
8000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
7000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
6000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
5000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
4500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
4000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
3500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
3000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
1800	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
1500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
1200	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
1000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
900	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
800	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
700	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
600	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
400	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
300	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
200	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
100	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING ≥ 20000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
18000 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
16000 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
14000 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
12000 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
10000 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
9000 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
8000 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
7000 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
6000 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
5000 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
4500 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
4000 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
3500 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
3000 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2500 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2000 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
1800 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
1500 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
1200 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
1000 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
900 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
800 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
700 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
600 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
500 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
400 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
300 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
200 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
100 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
0 AI AI	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

SOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOON (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1 1

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16
NO CEILING	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
18000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
16000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
14000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
12000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
10000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
9000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
8000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
7000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
6000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
5000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
4500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
4000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
3500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
3000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
2500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
2000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
1800	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
1500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
1200	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
1000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
900	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
800	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
700	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
600	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
400	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
300	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
200	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
100	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
0	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7	7	4	1	1	1	1	1	1	1	1	1	1	1	1
≥ 20000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4500	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3500	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2500	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1800	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1500	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1200	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
900	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
800	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
700	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
600	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
500	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
400	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
300	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
200	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOON
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOBTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1 1
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 20000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
18000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
16000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
14000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
12000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
10000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
9000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
8000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
7000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
6000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
5000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
4500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
4000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
900	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
700	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
600	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
400	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
300	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
100	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

11.5

MORTH

MOUSE 11.5

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
AI AI														
18000														
AI AI														
16000														
AI AI														
14000														
AI AI														
12000														
AI AI														
10000														
AI AI														
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400														
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200														
AI AI														
100														
AI AI														
0														
AI AI														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7

MOUSE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 5/16	≥ 1/4
NO CEILING	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 20000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 18000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 16000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 14000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 12000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 10000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 9000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 8000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 7000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 6000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 5000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 4500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 4000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 3500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 3000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 2500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 2000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 1800	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 1500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 1200	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 1000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 900	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 800	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 700	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 600	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 400	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 300	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 200	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 100	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME
 YEARS
 MONTH
 HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING ≥ 20000	100	100	100	100	100	100	100	100	100	100	100	100	100
18000 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
16000 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
14000 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
12000 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
10000 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
9000 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
8000 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
7000 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
6000 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
5000 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
4500 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
4000 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
3500 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
3000 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
2500 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
2000 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
1800 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
1500 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
1200 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
1000 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
900 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
800 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
700 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
600 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
500 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
400 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
300 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
200 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
100 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100
0 AI AI	100	100	100	100	100	100	100	100	100	100	100	100	100

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOUSE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 20000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
18000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
16000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
14000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
12000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
10000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
9000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
8000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
7000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
6000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
5000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
4500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
4000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1800	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1200	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
900	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
800	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
700	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
600	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
400	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
300	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
200	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
100	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING ≥ 20000	0	0	0	0	0	0	0	0	0	0	0	0
18000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
16000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
14000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
12000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
10000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
9000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
8000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
7000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
6000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
5000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
4500 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
4000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
3500 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
3000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
2500 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
2000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
1800 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
1500 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
1200 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
1000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
900 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
800 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
700 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
600 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
500 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
400 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
300 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
200 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
100 AI AI	0	0	0	0	0	0	0	0	0	0	0	0
0 AI AI	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
18000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 16000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
14000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 12000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
10000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 9000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
8000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 7000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
6000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 5000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
4500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 4000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
3500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 3000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
2500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 2000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
1800	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 1500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
1200	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 1000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
900	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 800	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
700	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 600	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 400	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
300	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 200	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
100	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
0	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
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3500														
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2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOORE (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
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2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
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600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEAN:JET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

1225

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
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1800														
1500														
1200														
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900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
≥ 20000															
18000															
16000															
14000															
12000															
10000															
9000															
8000															
7000															
6000															
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500															
400															
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200															
100															
0															

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
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1800													
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1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
AI AI														
18000														
AI AI														
16000														
AI AI														
14000														
AI AI														
12000														
AI AI														
10000														
AI AI														
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0														
AI AI														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
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1200												
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900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIP*AVOCEAN*JET S*OS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
≥ 18000														
≥ 16000														
≥ 14000														
≥ 12000														
≥ 10000														
≥ 9000														
≥ 8000														
≥ 7000														
≥ 6000														
≥ 5000														
≥ 4500														
≥ 4000														
≥ 3500														
≥ 3000														
≥ 2500														
≥ 2000														
≥ 1800														
≥ 1500														
≥ 1200														
≥ 1000														
≥ 900														
≥ 800														
≥ 700														
≥ 600														
≥ 500														
≥ 400														
≥ 300														
≥ 200														
≥ 100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

PORT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOUSE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													TOTAL NUMBER OF OBSERVATIONS
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 1/8	≥ 0
NO CEILING ≥ 20000														
18000 AI														
16000 AI														
14000 AI														
12000 AI														
10000 AI														
9000 AI														
8000 AI														
7000 AI														
6000 AI														
5000 AI														
4500 AI														
4000 AI														
3500 AI														
3000 AI														
2500 AI														
2000 AI														
1800 AI														
1500 AI														
1200 AI														
1000 AI														
900 AI														
800 AI														
700 AI														
600 AI														
500 AI														
400 AI														
300 AI														
200 AI														
100 AI														
0 AI														

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURE (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•
18000	•	•	•	•	•	•	•	•	•	•	•	•	•
16000	•	•	•	•	•	•	•	•	•	•	•	•	•
14000	•	•	•	•	•	•	•	•	•	•	•	•	•
12000	•	•	•	•	•	•	•	•	•	•	•	•	•
10000	•	•	•	•	•	•	•	•	•	•	•	•	•
9000	•	•	•	•	•	•	•	•	•	•	•	•	•
8000	•	•	•	•	•	•	•	•	•	•	•	•	•
7000	•	•	•	•	•	•	•	•	•	•	•	•	•
6000	•	•	•	•	•	•	•	•	•	•	•	•	•
5000	•	•	•	•	•	•	•	•	•	•	•	•	•
4500	•	•	•	•	•	•	•	•	•	•	•	•	•
4000	•	•	•	•	•	•	•	•	•	•	•	•	•
3500	•	•	•	•	•	•	•	•	•	•	•	•	•
3000	•	•	•	•	•	•	•	•	•	•	•	•	•
2500	•	•	•	•	•	•	•	•	•	•	•	•	•
2000	•	•	•	•	•	•	•	•	•	•	•	•	•
1800	•	•	•	•	•	•	•	•	•	•	•	•	•
1500	•	•	•	•	•	•	•	•	•	•	•	•	•
1200	•	•	•	•	•	•	•	•	•	•	•	•	•
1000	•	•	•	•	•	•	•	•	•	•	•	•	•
900	•	•	•	•	•	•	•	•	•	•	•	•	•
800	•	•	•	•	•	•	•	•	•	•	•	•	•
700	•	•	•	•	•	•	•	•	•	•	•	•	•
600	•	•	•	•	•	•	•	•	•	•	•	•	•
500	•	•	•	•	•	•	•	•	•	•	•	•	•
400	•	•	•	•	•	•	•	•	•	•	•	•	•
300	•	•	•	•	•	•	•	•	•	•	•	•	•
200	•	•	•	•	•	•	•	•	•	•	•	•	•
100	•	•	•	•	•	•	•	•	•	•	•	•	•
0	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEAN:JET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

HOURLY, L.S.T.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEAN*1ET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

7

HOURE (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING ≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
18000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
14000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
9000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
7000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1800 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1200 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
900 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
800 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
700 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
600 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
400 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
300 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
200 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
100 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
0 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEAN:MET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
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3500														
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1800														
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1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
AI AI 18000														
AI AI 16000														
AI AI 14000														
AI AI 12000														
AI AI 10000														
AI AI 9000														
AI AI 8000														
AI AI 7000														
AI AI 6000														
AI AI 5000														
AI AI 4500														
AI AI 4000														
AI AI 3500														
AI AI 3000														
AI AI 2500														
AI AI 2000														
AI AI 1800														
AI AI 1500														
AI AI 1200														
AI AI 1000														
AI AI 900														
AI AI 800														
AI AI 700														
AI AI 600														
AI AI 500														
AI AI 400														
AI AI 300														
AI AI 200														
AI AI 100														
AI AI 0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEAN:MET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
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1200														
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900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCENMET SMOG

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
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4500													
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2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•
18000	•	•	•	•	•	•	•	•	•	•	•	•	•
16000	•	•	•	•	•	•	•	•	•	•	•	•	•
14000	•	•	•	•	•	•	•	•	•	•	•	•	•
12000	•	•	•	•	•	•	•	•	•	•	•	•	•
10000	•	•	•	•	•	•	•	•	•	•	•	•	•
9000	•	•	•	•	•	•	•	•	•	•	•	•	•
8000	•	•	•	•	•	•	•	•	•	•	•	•	•
7000	•	•	•	•	•	•	•	•	•	•	•	•	•
6000	•	•	•	•	•	•	•	•	•	•	•	•	•
5000	•	•	•	•	•	•	•	•	•	•	•	•	•
4500	•	•	•	•	•	•	•	•	•	•	•	•	•
4000	•	•	•	•	•	•	•	•	•	•	•	•	•
3500	•	•	•	•	•	•	•	•	•	•	•	•	•
3000	•	•	•	•	•	•	•	•	•	•	•	•	•
2500	•	•	•	•	•	•	•	•	•	•	•	•	•
2000	•	•	•	•	•	•	•	•	•	•	•	•	•
1800	•	•	•	•	•	•	•	•	•	•	•	•	•
1500	•	•	•	•	•	•	•	•	•	•	•	•	•
1200	•	•	•	•	•	•	•	•	•	•	•	•	•
1000	•	•	•	•	•	•	•	•	•	•	•	•	•
900	•	•	•	•	•	•	•	•	•	•	•	•	•
800	•	•	•	•	•	•	•	•	•	•	•	•	•
700	•	•	•	•	•	•	•	•	•	•	•	•	•
600	•	•	•	•	•	•	•	•	•	•	•	•	•
500	•	•	•	•	•	•	•	•	•	•	•	•	•
400	•	•	•	•	•	•	•	•	•	•	•	•	•
300	•	•	•	•	•	•	•	•	•	•	•	•	•
200	•	•	•	•	•	•	•	•	•	•	•	•	•
100	•	•	•	•	•	•	•	•	•	•	•	•	•
0	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOUSE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
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4500														
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800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING ≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•
18000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
16000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
14000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
12000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
10000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
9000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
8000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
7000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
6000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
5000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
4500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
4000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
3500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
3000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
2500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
2000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
1800 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
1500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
1200 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
1000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
900 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
800 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
700 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
600 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
400 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
300 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
200 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
100 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
0 AI AI	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING ≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 18000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 16000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 14000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 12000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 10000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 9000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 8000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 7000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 6000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 5000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 4500	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 4000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 3500	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 3000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 2500	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 2000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 1800	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 1500	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 1200	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 1000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 900	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 800	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 700	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 600	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 500	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 400	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 300	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 200	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 100	•	•	•	•	•	•	•	•	•	•	•	•	•
AI AI 0	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														TOTAL NUMBER OF OBSERVATIONS
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
≥ 20000															
18000															
16000															
14000															
12000															
10000															
9000															
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500															
400															
300															
200															
100															
0															

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16
NO CEILING ≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•
18000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
16000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
14000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
12000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
10000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
9000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
8000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
7000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
6000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
5000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
4500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
4000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
3500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
3000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
2500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
2000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
1800 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
1500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
1200 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
1000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
900 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
800 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
700 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
600 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
400 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
300 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
200 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
100 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
0 AI AI	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
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400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
AI AI														
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

NOISE (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
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TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

4

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0
NO CEILING																
≥ 20000																
AI AI																
18000																
AI AI																
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME: _____ YEARS: _____ MONTH: _____
 HOURS (LST): _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
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TOTAL NUMBER OF OBSERVATIONS _____

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

MOUSE (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												≥ 0
AI 20000												
18000												
AI AI												
16000												
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TOTAL NUMBER OF OBSERVATIONS

DIRNA VOCEANDET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
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TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													≥ 10
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
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TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS LLST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
AI 20000															
AI 18000															
AI 16000															
AI 14000															
AI 12000															
AI 10000															
AI 9000															
AI 8000															
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AI 200															
AI 100															
AI 0															

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURLY (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
AI 20000															
AI 18000															
AI 16000															
AI 14000															
AI 12000															
AI 10000															
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DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													≥ 10	
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000															
18000 AI AI															
16000 AI AI															
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

1225

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•
18000	•	•	•	•	•	•	•	•	•	•	•	•	•
16000	•	•	•	•	•	•	•	•	•	•	•	•	•
14000	•	•	•	•	•	•	•	•	•	•	•	•	•
12000	•	•	•	•	•	•	•	•	•	•	•	•	•
10000	•	•	•	•	•	•	•	•	•	•	•	•	•
9000	•	•	•	•	•	•	•	•	•	•	•	•	•
8000	•	•	•	•	•	•	•	•	•	•	•	•	•
7000	•	•	•	•	•	•	•	•	•	•	•	•	•
6000	•	•	•	•	•	•	•	•	•	•	•	•	•
5000	•	•	•	•	•	•	•	•	•	•	•	•	•
4500	•	•	•	•	•	•	•	•	•	•	•	•	•
4000	•	•	•	•	•	•	•	•	•	•	•	•	•
3500	•	•	•	•	•	•	•	•	•	•	•	•	•
3000	•	•	•	•	•	•	•	•	•	•	•	•	•
2500	•	•	•	•	•	•	•	•	•	•	•	•	•
2000	•	•	•	•	•	•	•	•	•	•	•	•	•
1800	•	•	•	•	•	•	•	•	•	•	•	•	•
1500	•	•	•	•	•	•	•	•	•	•	•	•	•
1200	•	•	•	•	•	•	•	•	•	•	•	•	•
1000	•	•	•	•	•	•	•	•	•	•	•	•	•
900	•	•	•	•	•	•	•	•	•	•	•	•	•
800	•	•	•	•	•	•	•	•	•	•	•	•	•
700	•	•	•	•	•	•	•	•	•	•	•	•	•
600	•	•	•	•	•	•	•	•	•	•	•	•	•
500	•	•	•	•	•	•	•	•	•	•	•	•	•
400	•	•	•	•	•	•	•	•	•	•	•	•	•
300	•	•	•	•	•	•	•	•	•	•	•	•	•
200	•	•	•	•	•	•	•	•	•	•	•	•	•
100	•	•	•	•	•	•	•	•	•	•	•	•	•
0	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														TOTAL NUMBER OF OBSERVATIONS
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
AI 20000															
AI 18000															
AI 16000															
AI 14000															
AI 12000															
AI 10000															
AI 9000															
AI 8000															
AI 7000															
AI 6000															
AI 5000															
AI 4500															
AI 4000															
AI 3500															
AI 3000															
AI 2500															
AI 2000															
AI 1800															
AI 1500															
AI 1200															
AI 1000															
AI 900															
AI 800															
AI 700															
AI 600															
AI 500															
AI 400															
AI 300															
AI 200															
AI 100															
AI 0															

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
AI AI														
18000														
AI AI														
16000														
AI AI														
14000														
AI AI														
12000														
AI AI														
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AI AI														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEAN/MET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOON ILLUMINATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
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500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
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200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOORE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
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200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
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0														

TOTAL NUMBER OF OBSERVATIONS

REPORT ON FORM 10-61

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
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100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
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500													
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100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
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100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME _____ YEAR _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
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100												
0												

TOTAL NUMBER OF OBSERVATIONS _____

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
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100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING ≥ 20000	•	•	•	•	•	1.0	•	•	•	•	•	•	1.0
18000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	1.0
16000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
14000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
12000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
10000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
9000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
8000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
7000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
6000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
5000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
4500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
4000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
3500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
3000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
2500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
2000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
1800 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
1500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
1200 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
1000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
900 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
800 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
700 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
600 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
400 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
300 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
200 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
100 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•
0 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOUSE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												≥ 0
≥ 20000												
18000												
AI AI												
16000												
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AI AI												

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEAN:MET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														TOTAL NUMBER OF OBSERVATIONS
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000															
AI 18000															
AI 16000															
AI 14000															
AI 12000															
AI 10000															
AI 9000															
AI 8000															
AI 7000															
AI 6000															
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AI 4500															
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AI 900															
AI 800															
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AI 600															
AI 500															
AI 400															
AI 300															
AI 200															
AI 100															
0															

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
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500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEAN71ET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
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0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													≥ 0
20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
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100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
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5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCENMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

1229

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING ≥ 20000													≥ 0
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
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1200													
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900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
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4500													
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3500													
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1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOUTH

7225

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
AI 20000														
AI 18000														
AI 16000														
AI 14000														
AI 12000														
AI 10000														
AI 9000														
AI 8000														
AI 7000														
AI 6000														
AI 5000														
AI 4500														
AI 4000														
AI 3500														
AI 3000														
AI 2500														
AI 2000														
AI 1800														
AI 1500														
AI 1200														
AI 1000														
AI 900														
AI 800														
AI 700														
AI 600														
AI 500														
AI 400														
AI 300														
AI 200														
AI 100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
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3500													
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2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
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2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANIMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													TOTAL NUMBER OF OBSERVATIONS
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING														
≥ 20000														
AI AI														
18000														
AI AI														
16000														
AI AI														
14000														
AI AI														
12000														
AI AI														
10000														
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AI AI														
500														
AI AI														
400														
AI AI														
300														
AI AI														
200														
AI AI														
100														
AI AI														
0														
AI AI														

DIRNAVOCEANMET SMOS

4

3

NAVWEASEP.VCOM

4

20

NAVWEASERVCOM

4

MONTH

NAVWEASERVCOM

SKY COVER

STATION NAME: STATION NAME PERIOD: PERIOD MONTH: MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
1964	01	20.0			20.0						12.0	41.0	100
	02	20.0			20.0						14.0	40.0	100
	03	17.0			17.0						22.0	40.0	100
	04	15.0			20.0						24.0	43.0	100
	05	15.0			20.0						22.0	41.0	100
	06	20.0			24.0						20.0	43.0	100
	07	15.0			20.0						24.0	40.0	100
	08	20.0			15.0						15.0	40.0	100
	09												
	10												
	11												
	12												
	13												
	14												
	15												
	16												
	17												
	18												
	19												
	20												
	21												
	22												
	23												
	24												
	25												
	26												
	27												
	28												
	29												
	30												
	31												
TOTALS		100			20.0						20.0	41.0	2400

STATION	STATION NAME	PERIOD	MONTH
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
51	51	51	51
52	52	52	52
53	53	53	53
54	54	54	54
55	55	55	55
56	56	56	56
57	57	57	57
58	58	58	58
59	59	59	59
60	60	60	60
61	61	61	61
62	62	62	62
63	63	63	63
64	64	64	64
65	65	65	65
66	66	66	66
67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
78	78	78	78
79	79	79	79
80	80	80	80
81	81	81	81
82	82	82	82
83	83	83	83
84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
14	21	23.2			17.4						12.1	46.5	6.3	71
	24	10.0			27.1						19.7	42.2	6.0	71
	27	17.0			21.6						23.2	44.5	7.2	71
	1	6.6			24.5						26.6	40.6	7.2	71
	1	5.5			20.5						24.0	39.5	7.3	71
	1	6.0			24.0						20.4	40.0	7.7	71
	1	5.1			23.5						21.6	47.7	7.5	71
	27	1.1			10.0						15.0	45.2	6.6	71
TOTALS	21.1				23.7						22.7	43.4	7.0	241

SKY COVER

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN.	1	1.7			11.7						17.7	44.3	6.2	390
	2	7.7			2.7						30.3	42.3	7.7	390
	3	7.7			27.7						22.7	44.7	7.1	390
	4	7.7			2.7						22.7	42.7	7.1	390
FEB.	1	7.7			2.7						22.7	42.7	7.6	390
	2	7.7			27.7						22.7	44.7	7.4	390
	3	6.7			27.7						32.7	45.7	7.7	390
	4	17.7			27.7						16.7	41.7	6.5	390
TOTALS					7.7									
TOTALS													7.0	2400

SKY COVER

STATION NAME: 11 PERIOD: 11 MONTH: 11

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
11	1	11.7			24.7						11.5	40.0	7.1	210
11	2	11.7			24.4						22.3	19.4	6.5	210
11	3	11.7			27.7						24.0	14.8	6.7	310
11	4	11.7			22.5						24.5	12.4	6.5	310
11	5	11.7			22.5						31.5	24.7	7.1	310
11	6	11.7			31.5						31.7	26.4	7.0	310
11	7	11.7			22.7						22.1	26.7	7.1	310
11	8	11.7			21.7						10.4	14.5	6.1	310
TOTALS					21.4						24.7	13.7	6.7	2400

AD-A150 394

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
BRUNSWICK MAINE(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

4/4

UNCLASSIFIED

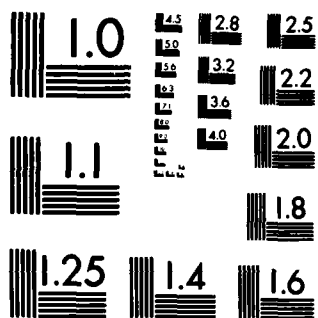
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FILED

210



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

4

72-62

212

STATION

STATION NAME

PERIOD

MONTH

NAVWEASERVCOM

4.

STATION	TIME
16311	

BRUNSWICK, N.J.

STATION NAME

73-02

PERIOD

035

MONTH

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	01	27.0			17.7						16.3	39.0	5.9	300
	04	27.0			19.7						16.0	37.3	5.8	300
	07	13.3			29.3						19.0	39.3	6.5	300
	10	3.0			33.3						25.3	33.3	6.6	300
	13	4.7			35.0						28.3	32.0	6.8	300
	16	4.7			37.0						24.7	33.7	6.7	300
	19	9.7			31.3						24.7	35.0	6.6	300
	22	24.3			21.3						19.7	35.7	5.9	300
TOTALS		14.0			29.0						21.5	35.7	6.4	2400

4

STATION	TIME
1411	

ADDENDUM, RE

STATION NAME

73-92

PERIOD

100

MONTH

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9		
107	21	26.2			21.6					15.9	37.4	5.8	310
	04	27.7			22.3					13.5	36.5	5.5	310
	07	11.0			30.3					26.1	32.6	6.5	310
	10	11.3			28.7					27.1	32.9	6.6	310
	12	10.3			26.9					30.6	32.3	6.8	310
	14	11.3			29.4					27.4	31.9	6.5	310
	19	21.6			25.5					17.7	35.2	5.9	310
	22	26.5			21.6					16.5	35.5	5.7	310
TOTALS	17.1				25.3					21.9	34.3	6.2	2440

5

STATION	TIME
14:11	

34-1015-1021

STATION NAME

73-92

PERIOD

DEC
MON

MONTH

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	01	27.1			16.1						10.6	46.1	6.1	310
	04	23.7			14.2						11.6	44.8	6.0	310
	07	17.9			27.1						19.0	41.0	6.6	310
	10	12.9			21.9						23.9	41.3	5.9	310
	13	11.6			22.6						23.2	42.6	7.0	310
	16	13.2			21.0						21.6	44.2	7.0	310
	19	22.7			17.8						12.0	47.6	6.4	309
	22	25.9			13.6						14.6	46.0	6.3	309
TOTALS		12.4			17.4						17.1	44.2	6.5	2478

SKY COVER

STATION 10-11 PRUSSWICK, ME PERIOD 73-82 MONTH ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	21.4			23.9						14.5	40.2	6.0	2482
FEB		22.4			23.6						16.3	37.7	5.9	2256
MAR		17.7			21.1						16.9	44.3	6.6	2480
APR		15.6			22.4						20.8	41.2	6.7	2400
MAY		11.1			23.3						22.2	43.4	7.0	2480
JUN		4.8			26.7						23.9	40.6	7.0	2400
JUL		9.7			37.4						26.8	33.7	6.7	2480
AUG		11.7			28.8						25.9	34.1	6.6	2480
SEP		14.6			28.7						21.5	35.7	6.4	2400
OCT		18.1			25.8						21.9	34.3	6.2	2480
NOV		14.6			26.1						18.8	40.7	6.6	2400
DEC		19.4			19.4						17.1	44.2	6.5	2478
TOTALS		15.4			25.0						27.5	39.2	6.5	29216

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are provided:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.
This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

c. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

STATION NAME: _____ YEARS: _____

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
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95													
96													
97													
98													
99													
100													
MEAN													
S.D.													
TOTAL OBS.													

NAVWEASERVCOM

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

MONTH

YEARS

STATION NAME

STATION

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP		
	AVERAGE °F	AVERAGE °C	AVERAGE °F	AVERAGE °C	EXTREME °F	EXTREME °C	EXTREME °F	EXTREME °C
1	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
2	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
3	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
4	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
5	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
6	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
7	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
8	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
9	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
10	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
11	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
12	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
13	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
14	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
15	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
16	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
17	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
18	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
19	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
20	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
21	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
22	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
23	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
24	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
25	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
26	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
27	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
28	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
29	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
30	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
31	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0
Monthly	3.0	-1.7	1.0	-1.7	4.0	4.0	-1.0	-1.0

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 1577 STATION NAME 1577 YEARS 1977 MONTH JAN

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
2	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
3	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
4	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
5	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
6	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
7	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
8	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
9	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
10	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
11	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
12	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
13	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
14	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
15	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
16	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
17	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
18	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
19	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
20	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
21	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
22	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
23	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
24	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
25	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
26	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
27	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
28	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
29	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
30	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
31	27	-2.2	27.1	-2.2	42	5.6	42	5.6	6.9	-1.7	-1.7	-29.2	1977
Monthly													

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA DAILY AVERAGE/EXTREME TEMPERATURES

11

1-1-1972

11

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP		
	AVERAGE °F	AVERAGE °C	AVERAGE °F	AVERAGE °C	EXTREME °F	EXTREME °C	EXTREME °F	EXTREME °C
1	7	-13.3	77.0	25.0	53	12.2	19.0	-7.2
2	7	-13.3	75.0	23.9	53	11.7	19.0	-7.2
3	7	-13.3	75.0	23.9	53	11.7	19.0	-7.2
4	7	-13.3	77.0	25.0	5	15.0	19.0	-7.2
5	7	-13.3	77.0	25.0	5	15.0	19.0	-7.2
6	7	-13.3	77.0	25.0	53	11.7	19.0	-7.2
7	7	-13.3	77.0	25.0	67	19.4	19.0	-7.2
8	7	-13.3	77.0	25.0	4	3.3	19.0	-7.2
9	7	-13.3	77.0	25.0	5	15.0	19.0	-7.2
10	7	-13.3	77.0	25.0	50	10.0	19.0	-7.2
11	7	-13.3	77.0	25.0	63	17.2	19.0	-7.2
12	7	-13.3	77.0	25.0	51	10.6	19.0	-7.2
13	7	-13.3	77.0	25.0	5	15.0	19.0	-7.2
14	7	-13.3	77.0	25.0	5	15.0	19.0	-7.2
15	7	-13.3	77.0	25.0	4	3.3	19.0	-7.2
16	7	-13.3	77.0	25.0	50	10.0	19.0	-7.2
17	7	-13.3	77.0	25.0	5	15.0	19.0	-7.2
18	7	-13.3	77.0	25.0	5	15.0	19.0	-7.2
19	7	-13.3	77.0	25.0	5	15.0	19.0	-7.2
20	7	-13.3	77.0	25.0	5	15.0	19.0	-7.2
21	7	-13.3	77.0	25.0	6	15.0	19.0	-7.2
22	7	-13.3	77.0	25.0	6	15.0	19.0	-7.2
23	7	-13.3	77.0	25.0	6	15.0	19.0	-7.2
24	7	-13.3	77.0	25.0	6	15.0	19.0	-7.2
25	7	-13.3	77.0	25.0	6	15.0	19.0	-7.2
26	7	-13.3	77.0	25.0	6	15.0	19.0	-7.2
27	7	-13.3	77.0	25.0	6	15.0	19.0	-7.2
28	7	-13.3	77.0	25.0	6	15.0	19.0	-7.2
29	7	-13.3	77.0	25.0	6	15.0	19.0	-7.2
30	7	-13.3	77.0	25.0	6	15.0	19.0	-7.2
31	7	-13.3	77.0	25.0	6	15.0	19.0	-7.2
Monthly	7	-13.3	77.0	25.0	7	15.0	23.0	-23.3

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 11 STATION NAME 11-12-1 MONTH YEARS

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C	DATE	DATE	° F	° C	° F	° C	° F	° C	DATE	DATE
1	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
2	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
3	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
4	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
5	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
6	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
7	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
8	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
9	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
10	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
11	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
12	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
13	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
14	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
15	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
16	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
17	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
18	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
19	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
20	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
21	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
22	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
23	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
24	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
25	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
26	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
27	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
28	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
29	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
30	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
31	57	13.9	57	13.9	77	25.5	57	13.9	1977	1977	57	13.9	14	-8.9	14	-8.9	1977	1977
Monthly																		

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME

STATION 11 MONTH 1977-1978 YEARS

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	7.7	1.5	25.4	14.1	77	25.5	32.0	1672	37.4	3.0	77	-1.7	1977
2	7.6	1.5	26.3	15.7	67	19.9	19.9	1977	38.1	3.4	72	0	1977
3	6.6	3.3	25.0	13.4	73	22.0	22.0	1960	37.6	3.1	72	-2.2	1977
4	6.6	6.6	25.4	15.2	77	25.6	25.6	1963	40.4	4.7	73	0.6	1977
5	6.6	6.6	25.1	15.1	74	23.7	23.7	1967	39.4	4.1	72	-1.1	1977
6	6.6	6.7	25.4	15.2	77	23.3	23.3	1982	39.3	3.1	31	-0.6	1972
7	6.6	6.6	27.4	14.1	77	25.1	25.1	1957	39.9	3.4	30	-1.1	1962
8	6.6	6.6	27.4	14.1	84	24.9	24.9	1964	41.6	4.9	77	-1.1	1966
9	11.1	10.6	25.3	15.3	80	31.7	31.7	1979	42.6	5.2	71	-0.6	1975
10	11.4	11.4	31.1	17.3	80	31.7	31.7	1979	42.1	5.6	73	0.6	1975
11	11.3	11.3	25.3	16.1	77	25.3	25.3	1973	42.1	5.6	72	-1.1	1972
12	11.7	11.7	25.7	17.1	77	27.3	27.3	1962	43.2	5.2	73	0.6	1966
13	11.7	11.7	25.7	16.5	76	24.4	24.4	1957	44.2	6.6	71	-0.6	1975
14	11.7	11.7	25.3	16.5	76	24.4	24.4	1961	43.6	5.4	72	1.7	1966
15	11.4	11.4	21.2	16.6	76	27.7	27.7	1976	43.6	6.4	73	0.6	1971
16	11.4	11.4	25.3	16.5	77	27.7	27.7	1974	44.5	5.9	77	1.7	1977
17	11.2	11.2	25.3	17.7	90	37.7	37.7	1977	44.2	5.2	72	0.7	1957
18	11.7	11.7	21.2	16.5	74	27.3	27.3	1971	44.1	7.1	72	0.7	1971
19	12.4	12.4	22.0	17.2	76	24.4	24.4	1975	45.5	7.7	77	1.7	1957
20	13.0	13.0	26.0	16.9	69	31.1	31.1	1975	46.7	6.2	77	0.6	1977
21	12.0	12.0	25.5	16.3	71	27.3	27.3	1975	45.3	7.4	73	1.7	1977
22	13.4	13.4	25.5	16.2	87	31.7	31.7	1959	43.1	7.7	77	0.3	1959
23	13.0	13.0	27.1	19.0	87	31.7	31.7	1964	46.7	6.2	77	0.3	1964
24	13.4	13.4	26.2	19.0	86	29.0	29.0	1974	46.2	7.0	77	0.7	1972
25	13.7	13.7	25.1	18.9	87	30.4	30.4	1981	47.2	6.4	73	0.6	1959
26	13.3	13.3	25.5	17.4	87	31.3	31.3	1981	46.4	6.0	72	0.7	1972
27	13.3	13.3	25.4	17.4	87	31.7	31.7	1981	46.4	6.0	72	1.1	1977
28	14.2	14.2	27.7	19.3	87	31.1	31.1	1959	47.4	6.6	77	2.8	1963
29	14.3	14.3	27.7	20.2	87	31.7	31.7	1975	47.2	6.4	77	3.3	1977
30	14.4	14.4	27.7	19.0	87	31.7	31.7	1975	47.2	6.4	76	3.2	1961
31	14.1	14.1	26.2	20.7	87	31.7	31.7	1962	46.1	6.6	76	1.1	1961
Monthly	11.0	11.0	25.0	17.1	77	31.7	31.7	1977	43.7	6.5	74	-0.2	1976

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME

STATION

YEARS

MONTH

DAILY AVERAGE/EXTREME TEMPERATURES

DAY	MEAN TEMP		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	° F	° C	° F	° C	° F	° C			° F	° C	° F	° C	
1	59.3	15.7	59.3	15.7	59.3	15.7	1971	1971	59.3	15.7	59.3	15.7	1971
2	59.5	15.8	59.5	15.8	59.5	15.8	1971	1971	59.5	15.8	59.5	15.8	1971
3	59.7	15.9	59.7	15.9	59.7	15.9	1971	1971	59.7	15.9	59.7	15.9	1971
4	59.9	16.1	59.9	16.1	59.9	16.1	1971	1971	59.9	16.1	59.9	16.1	1971
5	60.1	16.2	60.1	16.2	60.1	16.2	1971	1971	60.1	16.2	60.1	16.2	1971
6	60.3	16.3	60.3	16.3	60.3	16.3	1971	1971	60.3	16.3	60.3	16.3	1971
7	60.5	16.4	60.5	16.4	60.5	16.4	1971	1971	60.5	16.4	60.5	16.4	1971
8	60.7	16.5	60.7	16.5	60.7	16.5	1971	1971	60.7	16.5	60.7	16.5	1971
9	60.9	16.6	60.9	16.6	60.9	16.6	1971	1971	60.9	16.6	60.9	16.6	1971
10	61.1	16.7	61.1	16.7	61.1	16.7	1971	1971	61.1	16.7	61.1	16.7	1971
11	61.3	16.8	61.3	16.8	61.3	16.8	1971	1971	61.3	16.8	61.3	16.8	1971
12	61.5	16.9	61.5	16.9	61.5	16.9	1971	1971	61.5	16.9	61.5	16.9	1971
13	61.7	17.0	61.7	17.0	61.7	17.0	1971	1971	61.7	17.0	61.7	17.0	1971
14	61.9	17.1	61.9	17.1	61.9	17.1	1971	1971	61.9	17.1	61.9	17.1	1971
15	62.1	17.2	62.1	17.2	62.1	17.2	1971	1971	62.1	17.2	62.1	17.2	1971
16	62.3	17.3	62.3	17.3	62.3	17.3	1971	1971	62.3	17.3	62.3	17.3	1971
17	62.5	17.4	62.5	17.4	62.5	17.4	1971	1971	62.5	17.4	62.5	17.4	1971
18	62.7	17.5	62.7	17.5	62.7	17.5	1971	1971	62.7	17.5	62.7	17.5	1971
19	62.9	17.6	62.9	17.6	62.9	17.6	1971	1971	62.9	17.6	62.9	17.6	1971
20	63.1	17.7	63.1	17.7	63.1	17.7	1971	1971	63.1	17.7	63.1	17.7	1971
21	63.3	17.8	63.3	17.8	63.3	17.8	1971	1971	63.3	17.8	63.3	17.8	1971
22	63.5	17.9	63.5	17.9	63.5	17.9	1971	1971	63.5	17.9	63.5	17.9	1971
23	63.7	18.0	63.7	18.0	63.7	18.0	1971	1971	63.7	18.0	63.7	18.0	1971
24	63.9	18.1	63.9	18.1	63.9	18.1	1971	1971	63.9	18.1	63.9	18.1	1971
25	64.1	18.2	64.1	18.2	64.1	18.2	1971	1971	64.1	18.2	64.1	18.2	1971
26	64.3	18.3	64.3	18.3	64.3	18.3	1971	1971	64.3	18.3	64.3	18.3	1971
27	64.5	18.4	64.5	18.4	64.5	18.4	1971	1971	64.5	18.4	64.5	18.4	1971
28	64.7	18.5	64.7	18.5	64.7	18.5	1971	1971	64.7	18.5	64.7	18.5	1971
29	64.9	18.6	64.9	18.6	64.9	18.6	1971	1971	64.9	18.6	64.9	18.6	1971
30	65.1	18.7	65.1	18.7	65.1	18.7	1971	1971	65.1	18.7	65.1	18.7	1971
31	65.3	18.8	65.3	18.8	65.3	18.8	1971	1971	65.3	18.8	65.3	18.8	1971
Monthly	65.5	18.9	65.5	18.9	65.5	18.9	1971	1971	65.5	18.9	65.5	18.9	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME

4

11

1962

MONTH

YEARS

DATE

11-1-1962

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		EXTREME		MINIMUM TEMP		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	DATE	DATE
1	57.0	13.9	76.6	24.8	91	32.8	91	32.8	55.9	14.7	77	25.5	47	11.3	77	25.5	1964	1973
2	57.0	13.9	76.6	24.8	91	32.8	91	32.8	57.7	14.3	91	32.8	47	11.3	77	25.5	1964	1973
3	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
4	62.0	16.7	76.6	24.8	91	32.8	91	32.8	57.7	14.3	91	32.8	47	11.3	77	25.5	1964	1973
5	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
6	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
7	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
8	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
9	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
10	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
11	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
12	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
13	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
14	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
15	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
16	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
17	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
18	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
19	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
20	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
21	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
22	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
23	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
24	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
25	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
26	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
27	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
28	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
29	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
30	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
31	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973
Monthly	62.0	16.7	76.6	24.8	91	32.8	91	32.8	55.9	14.7	91	32.8	47	11.3	77	25.5	1964	1973

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

11

1962

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP		
	°F	°C	AVERAGE	°C	EXTREME	AVERAGE	°C	EXTREME
1	51.0	10.6	77.5	25.8	97	30.0	1.0	67
2	51.4	10.8	77.2	25.6	97	31.0	1.0	67
3	51.2	10.7	77.0	25.5	97	30.5	1.0	67
4	51.1	10.6	76.7	25.4	97	30.0	1.0	67
5	51.1	10.6	76.5	25.3	97	30.0	1.0	67
6	51.2	10.7	76.7	25.4	97	30.0	1.0	67
7	51.1	10.6	76.3	25.0	97	30.0	1.0	67
8	50.7	10.4	76.7	25.4	97	30.0	1.0	67
9	50.6	10.3	76.8	25.4	97	30.0	1.0	67
10	50.3	10.1	76.6	25.3	97	30.0	1.0	67
11	50.0	10.0	76.2	25.0	97	30.0	1.0	67
12	49.4	9.7	76.0	25.0	97	30.0	1.0	67
13	49.0	9.4	75.5	25.3	97	30.0	1.0	67
14	48.8	9.3	75.3	25.2	97	30.0	1.0	67
15	48.0	9.0	75.6	25.4	97	30.0	1.0	67
16	47.7	8.9	75.6	25.4	97	30.0	1.0	67
17	47.3	8.8	75.6	25.4	97	30.0	1.0	67
18	47.0	8.7	75.5	25.3	97	30.0	1.0	67
19	46.6	8.6	75.0	24.4	97	30.0	1.0	67
20	46.2	8.5	75.0	24.4	97	30.0	1.0	67
21	45.6	8.3	75.0	24.4	97	30.0	1.0	67
22	45.1	8.2	75.0	24.4	97	30.0	1.0	67
23	44.7	8.1	75.0	24.4	97	30.0	1.0	67
24	44.0	8.0	74.3	23.5	97	30.0	1.0	67
25	43.7	7.9	73.7	23.2	97	30.0	1.0	67
26	43.0	7.8	73.0	23.0	97	30.0	1.0	67
27	42.7	7.7	73.0	24.4	97	30.0	1.0	67
28	42.0	7.6	73.0	24.7	97	30.0	1.0	67
29	41.4	7.5	73.1	23.3	97	30.0	1.0	67
30	40.9	7.4	74.7	23.7	97	30.0	1.0	67
31	40.7	7.3	73.7	23.2	97	30.0	1.0	67
Monthly	40.0	7.0	74.3	24.0	97	30.0	1.0	67

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 11 STATION NAME K. S. STATION YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	5.1	13.4	74.1	23.4	87	31.1	19.9	15.1	1.3	4	7.2
2	5.1	13.4	74.4	23.4	87	31.1	19.9	15.1	1.3	4	7.2
3	4.0	17.0	75.3	22.8	87	31.1	19.9	15.1	1.3	4	7.2
4	4.1	17.5	75.4	23.9	87	31.7	19.53	15.7	12.7	44	6.7
5	4.7	18.1	76.7	23.9	9	32.3	19.61	15.5	12.3	41	5.3
6	5.0	17.0	76.3	22.1	62	37.9	19.9	13.7	11.7	42	5.6
7	5.7	16.1	76.1	21.6	50	2.7	19.53	11.1	11.1	41	5
8	6	15.1	77.6	21.4	80	31.7	19.7	11.6	1	42	5.6
9	6.1	15.6	77.2	21.2	64	30.9	19.59	11.7	1	43	5.1
10	6.1	15.5	77.3	23.7	74	31.8	19.61	11.6	10.7	4	4.4
11	6.1	15.6	77.0	21.1	77	30.4	19.61	11.7	10.7	3	3.0
12	6.1	15.7	79.0	21.1	80	33.7	19.61	11.6	10.3	37	2.8
13	6.1	16.1	79.9	22.3	11	30.4	19.74	10.6	9	7	3.3
14	6.1	14.7	77.4	19.7	62	31.7	19.76	10.7	9.0	30	1.1
15	6.1	13.1	75.4	18.9	70	31.1	19.73	10.3	9.0	73	6
16	6.1	14.7	77.7	19.9	7	31.7	19.71	10.2	9.2	7	1.7
17	6.1	14.1	6.7	19.0	62	31.1	19.67	10.1	9.1	77	2.3
18	6.1	4.7	77.5	19.7	64	30.3	19.6	10.2	8.4	7	3.3
19	6.1	14.1	76.4	19.1	73	31.7	19.68	10.1	9.1	7	1.7
20	6.1	13.7	75.7	19.9	73	31.0	19.76	10.4	8.6	77	6
21	6.1	13.0	6.1	13.9	7	30.8	19.5	10.1	10.2	3	1.1
22	6.1	14.7	77.2	19.6	3	33.6	19.59	10.6	10.6	11	1.73
23	64.1	13.1	76.2	19.9	62	37.7	19.7	10.4	9.1	77	6
24	64.1	12.7	74.2	17.7	50	37.8	19.69	10.5	7.1	7	10.3
25	64.1	12.1	74.1	17.7	7	2.6	19.7	10.1	7.7	7	-1.1
26	6.1	13.4	75.1	19.9	31	27.7	19.61	10.6	7.8	73	6
27	6.1	12.2	73.7	17.7	77	27.7	19.72	10.6	8.6	73	6
28	6.1	13.1	74.7	19.7	7	26.1	19.64	10.6	7.8	7	-2.2
29	6.1	12.1	77.4	17.4	77	32.1	19.72	10.7	7.6	73	6
30	6.1	12.2	76.1	17.3	75	23.0	19.71	10.7	7.1	74	1.1
31											
Monthly	6	1.1	77.7	2.1	91	31.1	19.73	10.6	9.9	7	-1.2

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	4.0	12.0	12.3	17.6	34	29.9	45.6	7.6	29	-1.7	1974
2	4.0	12.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
3	4.0	11.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
4	4.0	11.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
5	4.0	11.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
6	4.0	11.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
7	4.0	11.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
8	4.0	10.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
9	4.0	10.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
10	4.0	10.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
11	4.0	9.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
12	4.0	11.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
13	4.0	9.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
14	4.0	9.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
15	4.0	9.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
16	4.0	10.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
17	4.0	9.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
18	4.0	9.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
19	4.0	9.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
20	4.0	9.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
21	4.0	9.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
22	4.0	9.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
23	4.0	9.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
24	4.0	9.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
25	4.0	9.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
26	4.0	9.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
27	4.0	9.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
28	4.0	9.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
29	4.0	9.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
30	4.0	9.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
31	4.0	9.0	12.4	17.6	34	29.9	45.6	7.6	29	-1.7	1974
Monthly											

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME: ASHEVILLE, NORTH CAROLINA
STATION: 11
YEARS: 1970-1971
MONTH: 1

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP			DATE
	°F	°C	AVERAGE	°C	°F	AVERAGE	°C	°F	
1	6.0	11.3	11.3	11.3	67	36.4	2.4	-7.6	1970
2	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
3	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
4	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
5	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
6	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
7	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
8	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
9	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
10	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
11	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
12	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
13	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
14	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
15	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
16	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
17	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
18	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
19	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
20	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
21	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
22	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
23	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
24	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
25	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
26	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
27	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
28	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
29	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
30	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
31	7.0	12.2	12.2	12.2	67	36.4	2.4	-7.6	1970
Monthly									

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME

STATION

YEARS

MONTH

4

DAILY AVERAGE/EXTREME TEMPERATURES

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	
1	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
2	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
3	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
4	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
5	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
6	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
7	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
8	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
9	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
10	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
11	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
12	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
13	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
14	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
15	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
16	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
17	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
18	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
19	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
20	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
21	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
22	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
23	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
24	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
25	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
26	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
27	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
28	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
29	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
30	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
31	5	-15.4	27.4	2.4	50	10.0	-5	-23.0	1962
Monthly									

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC YEARS: 1951-1952

STATION NUMBER: 14-11

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	47	47	51	55	59	61	65	67	61	56	50	48	51
2	47	47	51	55	59	61	65	67	61	56	50	48	51
3	47	47	51	55	59	61	65	67	61	56	50	48	51
4	47	47	51	55	59	61	65	67	61	56	50	48	51
5	47	47	51	55	59	61	65	67	61	56	50	48	51
6	47	47	51	55	59	61	65	67	61	56	50	48	51
7	47	47	51	55	59	61	65	67	61	56	50	48	51
8	47	47	51	55	59	61	65	67	61	56	50	48	51
9	47	47	51	55	59	61	65	67	61	56	50	48	51
10	47	47	51	55	59	61	65	67	61	56	50	48	51
11	47	47	51	55	59	61	65	67	61	56	50	48	51
12	47	47	51	55	59	61	65	67	61	56	50	48	51
13	47	47	51	55	59	61	65	67	61	56	50	48	51
14	47	47	51	55	59	61	65	67	61	56	50	48	51
15	47	47	51	55	59	61	65	67	61	56	50	48	51
16	47	47	51	55	59	61	65	67	61	56	50	48	51
17	47	47	51	55	59	61	65	67	61	56	50	48	51
18	47	47	51	55	59	61	65	67	61	56	50	48	51
19	47	47	51	55	59	61	65	67	61	56	50	48	51
20	47	47	51	55	59	61	65	67	61	56	50	48	51
21	47	47	51	55	59	61	65	67	61	56	50	48	51
22	47	47	51	55	59	61	65	67	61	56	50	48	51
23	47	47	51	55	59	61	65	67	61	56	50	48	51
24	47	47	51	55	59	61	65	67	61	56	50	48	51
25	47	47	51	55	59	61	65	67	61	56	50	48	51
26	47	47	51	55	59	61	65	67	61	56	50	48	51
27	47	47	51	55	59	61	65	67	61	56	50	48	51
28	47	47	51	55	59	61	65	67	61	56	50	48	51
29	47	47	51	55	59	61	65	67	61	56	50	48	51
30	47	47	51	55	59	61	65	67	61	56	50	48	51
31	47	47	51	55	59	61	65	67	61	56	50	48	51
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S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

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[illegible]

SMOS

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

YEARS

STATION NAME

STATION

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 08-11-2010 BY 60322
/SP/00000000000000000000

[illegible]

SMOS

WINDY W. TEMPERATURE:
(FROM DAILY OBSERVATIONS)

100

STATION

STATION NAME

YEARS

[illegible]

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	7			27	32	39	50	4	36	37	17	3	
2				26	34	41	51	47	33	35	22	1	
3	17-		15	13	28	43	53	41	4	31	23	6	15-
4	18-	17-	17	25	35	43	54	46	37	28	13	11-	13-
5	19-	18-	2-	25	31	42	48	40	32	27	13	4-	2-
6	20-	19-	14	23	22	42	51	44	37	25	11	0	12-
7	21-	20-	15	24	23	43	51	46	30	25	1	2-	11-
8	22-	21-	16	25	23	43	52	44	30	24	13	5	10-
9	23-	22-	17	26	22	44	53	43	28	24	17	3-	10-
10	24-	23-	18	27	24	44	53	43	26	17	23	4	1-
11	25-	24-	19	28	25	45	54	46	23	25	17	5-	1-
12	26-	25-	20	28	22	42	50	47	32	29	27	14-	10-
13	27-	26-	21	29	23	43	51	47	35	27	13	0	1-
14	28-	27-	22	30	23	44	52	37	28	26	17	1	1-
15	29-	28-	23	31	26	42	50	39	33	13	13	4	1-
16	30-	29-	24	31	27	43	52	47	35	11	11	1-	1-
17	31-	30-	25	32	28	44	53	44	38	19	13	5-	10-
18	32-	31-	26	33	28	44	53	44	34	11	13	5-	10-
19	33-	32-	27	33	29	41	50	45	31	10	16	12-	14-
20	34-	33-	28	34	30	42	51	45	29	30	14	5-	20-
21	35-	34-	29	35	31	43	52	46	36	19	5	1	10-
22	36-	35-	30	36	32	43	53	47	31	24	14	1	10-
23	37-	36-	31	37	33	44	54	47	31	17	13	0	11-
24	38-	37-	32	38	33	45	55	47	33	20	24	19-	1-
25	39-	38-	33	39	34	46	56	41	31	21	15	10-	23-
26	40-	39-	34	40	34	47	57	44	36	20	15	9-	17-
27	41-	40-	35	41	35	48	58	44	34	18	13	5-	17-
28	42-	41-	36	42	36	49	59	46	33	23	11	0	10-
29	43-	42-	37	43	37	50	60	47	33	26	10	1	10-
30	44-	43-	38	44	38	51	61	48	31	27	10	2	21-
31	45-	44-	39	45	39	52	62	49	30	28	10	3	21-
32	46-	45-	40	46	40	53	63	50	29	29	11	4	21-
33	47-	46-	41	47	41	54	64	51	28	30	12	5	21-
34	48-	47-	42	48	42	55	65	52	27	31	13	6	21-
35	49-	48-	43	49	43	56	66	53	26	32	14	7	21-
36	50-	49-	44	50	44	57	67	54	25	33	15	8	21-
37	51-	50-	45	51	45	58	68	55	24	34	16	9	21-
38	52-	51-	46	52	46	59	69	56	23	35	17	10	21-
39	53-	52-	47	53	47	60	70	57	22	36	18	11	21-
40	54-	53-	48	54	48	61	71	58	21	37	19	12	21-
41	55-	54-	49	55	49	62	72	59	20	38	20	13	21-
42	56-	55-	50	56	50	63	73	60	19	39	21	14	21-
43	57-	56-	51	57	51	64	74	61	18	40	22	15	21-
44	58-	57-	52	58	52	65	75	62	17	41	23	16	21-
45	59-	58-	53	59	53	66	76	63	16	42	24	17	21-
46	60-	59-	54	60	54	67	77	64	15	43	25	18	21-
47	61-	60-	55	61	55	68	78	65	14	44	26	19	21-
48	62-	61-	56	62	56	69	79	66	13	45	27	20	21-
49	63-	62-	57	63	57	70	80	67	12	46	28	21	21-
50	64-	63-	58	64	58	71	81	68	11	47	29	22	21-
51	65-	64-	59	65	59	72	82	69	10	48	30	23	21-
52	66-	65-	60	66	60	73	83	70	9	49	31	24	21-
53	67-	66-	61	67	61	74	84	71	8	50	32	25	21-
54	68-	67-	62	68	62	75	85	72	7	51	33	26	21-
55	69-	68-	63	69	63	76	86	73	6	52	34	27	21-
56	70-	69-	64	70	64	77	87	74	5	53	35	28	21-
57	71-	70-	65	71	65	78	88	75	4	54	36	29	21-
58	72-	71-	66	72	66	79	89	76	3	55	37	30	21-
59	73-	72-	67	73	67	80	90	77	2	56	38	31	21-
60	74-	73-	68	74	68	81	91	78	1	57	39	32	21-
61	75-	74-	69	75	69	82	92	79	0	58	40	33	21-
62	76-	75-	70	76	70	83	93	80	0	59	41	34	21-
63	77-	76-	71	77	71	84	94	81	0	60	42	35	21-
64	78-	77-	72	78	72	85	95	82	0	61	43	36	21-
65	79-	78-	73	79	73	86	96	83	0	62	44	37	21-
66	80-	79-	74	80	74	87	97	84	0	63	45	38	21-
67	81-	80-	75	81	75	88	98	85	0	64	46	39	21-
68	82-	81-	76	82	76	89	99	86	0	65	47	40	21-
69	83-	82-	77	83	77	90	100	87	0	66	48	41	21-
70	84-	83-	78	84	78	91	101	88	0	67	49	42	21-
71	85-	84-	79	85	79	92	102	89	0	68	50	43	21-
72	86-	85-	80	86	80	93	103	90	0	69	51	44	21-
73	87-	86-	81	87	81	94	104	91	0	70	52	45	21-
74	88-	87-	82	88	82	95	105	92	0	71	53	46	21-
75	89-	88-	83	89	83	96	106	93	0	72	54	47	21-
76	90-	89-	84	90	84	97	107	94	0	73	55	48	21-
77	91-	90-	85	91	85	98	108	95	0	74	56	49	21-
78	92-	91-	86	92	86	99	109	96	0	75	57	50	21-
79	93-	92-	87	93	87	100	110	97	0	76	58	51	21-
80	94-	93-	88	94	88	101	111	98	0	77	59	52	21-
81	95-	94-	89	95	89	102	112	99	0	78	60	53	21-
82	96-	95-	90	96	90	103	113	100	0	79	61	54	21-
83	97-	96-	91	97	91	104	114	101	0	80	62	55	21-
84	98-	97-	92	98	92	105	115	102	0	81	63	56	21-
85	99-	98-	93	99	93	106	116	103	0	82	64	57	21-
86	100-	99-	94	100	94	107	117	104	0	83	65	58	21-
87	101-	100-	95	101	95	108	118	105	0	84	66	59	21-
88	102-	101-	96	102	96	109	119	106	0	85	67	60	21-
89	103-	102-	97	103	97	110	120	107	0	86	68	61	21-
90	104-	103-	98	104	98	111	121	108	0	87	69	62	21-
91	105-	104-	99	105	99	112	122	109	0	88	70	63	21-
92	106-	105-	100	106	100	113	123	110	0	89	71	64	21-
93	107-	106-	101	107	101	114	124	111	0	90	72	65	21-
94	108-	107-	102	108	102	115	125	112	0	91	73	66	21-
95	109-	108-	103	109	103	116	126	113	0	92	74	67	21-
96	110-	109-	104	110	104	117	127	114	0	93	75	68	21-
97	111-	110-	105	111	105	118	128	115	0	94	76	69	21-
98	112-	111-	106	112	106	119	129	116	0	95	77	70	21-
99	113-	112-	107	113	107	120	130	117	0	96	78	71	21-
100	114-	113-	108	114	108	121	131	118	0	97	79	72	21-
101	115-	114-	109	115	109	122	132	119	0	98	80	73	21-
102	116-	115-	110	116	110	123	133	120	0	99	81	74	21-
103	117-	116-	111	117	111	124	134	121	0	100	82	75	21-
104	118-	117-	112	118	112	125	135	122	0	101	83	76	21-
105	119-	118-	113	119	113	126	136	123	0	102	84	77	21-
106	120-	119-	114	120	114	127	137	124	0	103	85	78	21-
107	121-	120-	115	121	115	128	138	125	0	104	86	79	21-
108	122-	121-	116	122	116	129	139	126	0	105	87	80	21-
109	123-	122-	117	123	117	130	140	127	0	106	88	81	21-
110	124-	123-	118	124	118	131	141	128	0	107	89	82	21-
111	125-	124-	119	125	119	132	142	129	0	108	90	83	21-
112	126-	125-	120	126	120	133	143	130	0	109	91	84	21-
113	127-	126-	121	127	121	134	144	131	0	110	92	85	21-
114	128-	127-	122	128	122	135	145	132	0	111	93	86	21-
115	129-	128-	123	129	123	136	146	133	0	112	94	87	21-
116	130-	129-	124	130	124	137	147	134	0	113	95	88	21-
117	131-	130-	125	131	125	138	148	135	0	114	96	89	21-
118	132-	131-	126	132	126	139	149	136	0	115	97	90	21-
119	133-	132-											

SOMS

EXTREME VALUES

FROM DAILY OBSERVATIONS)

YEARS

SECRET

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
MEAN	11.07	10.67	10.7	11.01	10.3	12.1	11.1	10.1	10.4	10.3	10.6	10.7	10.6
S.D.	1.67	1.75	1.55	1.64	1.45	1.61	1.57	1.76	1.48	1.55	1.51	1.55	1.58
TOTAL OBS.	13	17	13	13	16	13	16	16	17	16	17	15	112

SMOS

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

YEARS

STATION NAME

ALL THESE THINGS
THAT ARE FULL OF
WISDOM AND KNOWLEDGE

[illegible]

SMOS

PSYCHROMETRIC SUMMARY

STATION NAME: STATION 1 MONTH: JAN YEARS: 1950 PAGE: 1 HOURS (L.S.T.): 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
100																		1	1	1	1
99																		1	1	1	1
98																		4	4	4	4
97																		7	7	7	7
96																		14	14	7	7
95																		19	19	15	15
94																		31	31	20	15
93																		41	41	20	15
92																		51	51	34	22
91																		72	72	24	25
90																		91	91	76	50
89																		93	93	97	50
88																		131	131	92	57
87																		126	126	84	57
86																		119	119	109	59
85																		112	112	126	75
84																		142	142	122	64
83																		129	129	152	64
82																		155	155	140	76
81																		147	147	158	95
80																		145	145	170	111
79																		125	125	139	135
78																		136	136	150	135
77																		100	100	129	137
76																		104	104	110	128
75																		86	86	102	125
74																		66	66	94	119
73																		51	51	55	51
72																		58	58	69	79
71																		40	40	50	104
70																		27	27	35	37
69																		21	21	27	31
68																		24	24	24	37
67																		15	15	15	63
66																					
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6																					
5																					
4																					
3																					
2																					
1																					
0																					

Element (X)	ΣX ²		ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature															
	≥80 F	≥73 F					≥67 F	≥62 F	≥59 F													
Rel. Hum.																						
Dry Bulb																						
Wet Bulb																						
Dew Point																						

Mean No. of Hours with Temperature

≥ 80 F

≥ 73 F

≥ 67 F

≥ 62 F

≥ 50 F

≥ 32 F

≥ 93 F

Total

No. Obs.

σ_x

\bar{x}

$\sum x$

$\sum x^2$

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

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PSYCHROMETRIC SUMMARY

STATION ROCKSWICH, MD MONTH JAN YEARS 77-78 PAGE 2
 HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1/-13	4	0																13	10	14	40
14/-15	0	0																8	8	7	38
15/-17	0	0																2	2	3	35
17/-19	0	0																4	4	4	29
21/-21	0	0																2	2	2	20
23/-23	0	0																2	2	2	26
24/-25	0	0																1	1	1	19
27/-27	0	0																1	1	1	14
28/-28	0	0																1	1	1	11
29/-31	0	0																			12
31/-33	0	0																			1
34/-36	0	0																			1
37/-37	0	0																			1
TOTAL	110	110	427.6	8.1	1.7	.1	.0											2482	2482	2482	2482

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PSYCHROMETRIC SUMMARY

STATION: 10-11 DATE: 08/05/2014 TIME: 12-30 MONTH: YEARS: FID: MONTH: HOURS (LST):

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
57					.1													3	3					
58					.1													1	1					
59																		2	2					
60																		3	3					
61		.1	.1															9	9	6	3			
62	.1	.3	.1	.1	.1													17	17	3	3			
63	.3	.5	.3	.1	.1	.1												22	22	13	3			
64	.5	.8	.5	.1	.1	.1	.1											32	32	14	11			
65	.8	1.1	.8	.1	.1	.1	.1	.1										49	49	20	12			
66	1.1	1.4	1.1	.5	.3	.3	.3	.3	.1									56	56	36	21			
67	1.4	1.7	1.4	1.1	.8	.8	.8	.8	.3	.1								85	85	45	24			
68	1.7	2.0	1.7	1.3	1.0	1.0	1.0	1.0	.8	.4								115	115	72	24			
69	2.0	2.3	2.0	1.5	1.2	1.2	1.2	1.2	.8	.3								139	139	116	45			
70	2.3	2.6	2.3	1.8	1.4	1.4	1.4	1.4	.8	.3	.1							132	132	126	77			
71	2.6	2.9	2.6	2.1	1.6	1.6	1.6	1.6	.8	.3	.1							134	134	125	64			
72	2.9	3.2	2.9	2.4	1.8	1.8	1.8	1.8	.8	.3	.1							130	130	158	74			
73	3.2	3.5	3.2	2.7	2.0	2.0	2.0	2.0	.8	.3	.1							139	139	136	72			
74	3.5	3.8	3.5	3.0	2.3	2.3	2.3	2.3	.8	.3	.1							124	124	133	75			
75	3.8	4.1	3.8	3.3	2.6	2.6	2.6	2.6	.8	.3	.1							132	132	178	85			
76	4.1	4.4	4.1	3.6	2.9	2.9	2.9	2.9	.8	.3	.1							112	112	146	112			
77	4.4	4.7	4.4	3.9	3.2	3.2	3.2	3.2	.8	.3	.1							105	105	129	105			
78	4.7	5.0	4.7	4.2	3.5	3.5	3.5	3.5	.8	.3	.1							113	113	144	92			
79	5.0	5.3	5.0	4.5	3.8	3.8	3.8	3.8	.8	.3	.1							134	134	125	94			
80	5.3	5.6	5.3	4.8	4.1	4.1	4.1	4.1	.8	.3	.1							82	82	124	117			
81	5.6	5.9	5.6	5.1	4.4	4.4	4.4	4.4	.8	.3	.1							91	91	120	94			
82	5.9	6.2	5.9	5.4	4.7	4.7	4.7	4.7	.8	.3	.1							73	73	92	104			
83	6.2	6.5	6.2	5.7	5.0	5.0	5.0	5.0	.8	.3	.1							61	61	82	117			
84	6.5	6.8	6.5	6.0	5.3	5.3	5.3	5.3	.8	.3	.1							43	43	53	92			
85	6.8	7.1	6.8	6.3	5.6	5.6	5.6	5.6	.8	.3	.1							36	36	46	77			
86	7.1	7.4	7.1	6.6	5.9	5.9	5.9	5.9	.8	.3	.1							29	29	34	67			
87	7.4	7.7	7.4	6.9	6.2	6.2	6.2	6.2	.8	.3	.1							25	25	27	98			
88	7.7	8.0	7.7	7.2	6.5	6.5	6.5	6.5	.8	.3	.1							24	24	24	64			
89	8.0	8.3	8.0	7.5	6.8	6.8	6.8	6.8	.8	.3	.1							15	15	20	76			
90	8.3	8.6	8.3	7.8	7.1	7.1	7.1	7.1	.8	.3	.1							3	3	6	53			
Element (X)	ΣX																ΣX ²	Mean No. of Hours with Temperature				Total		
Ref. Hum.																		≥ 80 F				≥ 93 F		Total
Dry Bulb																		≥ 73 F						
Wet Bulb																		≥ 67 F						
Dew Point																		≥ 32 F						
																		≥ 0 F						

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PSYCHROMETRIC SUMMARY

STATION 2005-11-11 MONTH FEB PAGE 2 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb		Wet Bulb
11/-11	0.1																	7	2	2	54
12/-11		0.1																1	1	1	31
14/-15																				1	21
16/-17																					19
18/-19																					19
20/-21																					17
22/-23																					14
24/-25																					20
26/-27																					15
28/-29																					6
30/-31																					2
32/-33																					1
34/-35																					1
36/-39																					1
TOTAL	7.2	4.9	31.4	2.2	3.4	0.4	0.1	0.1										2256	2256	2256	2256
																		</			

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PSYCHROMETRIC SUMMARY

STATION NAME: STATION 2097 54321 MONTH: MAY YEAR: 77-77 PAGE 2 HOURS (LST):

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31				Dry Bulb	Wet Bulb	Dew Point
67-7	0	0																		0	6	14	57
77-1	0	0.1																		3	3	3	53
77-1	0.1	0.1																		6	4	5	45
77-2	0.1	0.1																		1	1	1	34
77-5	0.1	0.1																		1	1	1	35
77-7	0.1	0.1																		2	2	2	35
77-9	0.1	0.1																					
77-11																							
77-13																							
77-15																							
77-17																							
77-21																							
77-25																							
TOTAL	7.32	29.43	110.2	6.5	3.7	1.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	24.80	24.80	24.80	24.80

Element (X)	ΣX ²	ΣX	X	σ _x	No. Obs.	Mean No. of Hours with Temperature							Total	
						≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≥93 F	Total		
Rel. Hum.	11137497	154055	63.7	7.720	2480								744.0	
Dry Bulb	771685	82265	73.2	9.897	2480	2.1	313.5	1.2	0.3				744.0	
Wet Bulb	2353743	72475	59.4	9.250	2480	2.7	449.9	0.3					744.0	
Dew Point	1524375	51279	50.9	13.740	2480	65.7	593.7						744.0	

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PSYCHROMETRIC SUMMARY

4

STATION NAME: STATION 101, W YEARS: 73-74 MONTH: APR HOURS (LST): 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
77-76																		2	2			
77-77																		3	3			
77-75																		3	3			
76-73																		3	3			
77-71																		5	5			
77-69																		12	12			
77-67																		14	14			
77-65																		2	9			
77-63																		18	18	1		
77-61																		18	28	4		
77-59																		12	32	6	1	
77-57																		51	51	2		
77-55																		81	81	20	7	
77-53																		73	73	29	15	
77-51																		112	112	65	27	
77-49																		150	160	69	47	
77-47																		171	171	125	45	
77-45																		227	207	139	53	
77-43																		215	215	216	84	
77-41																		210	210	227	113	
77-39																		194	194	227	139	
77-37																		180	180	265	142	
77-35																		170	170	255	203	
77-33																		163	163	207	220	
77-31																		91	91	164	171	
77-29																		67	67	123	179	
77-27																		43	43	84	152	
76-25																		30	30	73	133	
77-23																		14	14	47	129	
77-21																		12	12	12	92	
77-19																		7	7	17	101	
77-17																		3	3	14	73	
77-15																		1	1	7	65	
77-13																		1	1	3	69	
Element (X)	ΣX ²		ΣX		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature						Total					
Rel. Hum.											≤ 32 F ≥ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F											
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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PSYCHROMETRIC SUMMARY

STATION 05035100, 02 YEARS 17-18 MONTH MAY
 DATE 1955 HOURS (L.S.T.) 2

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
72/71																					25	
73/72																					14	
74/73																					6	
75/74																					2	
76/75																					1	
77/76																					1	
78/77																					1	
79/78																					1	
80/79																					1	
TOTAL	1055	127	147	167	181	195	202	208	209	197	177	151	117	80	40	17	0	2450	2480	2480	2480	

Element (X)	ΣX ²	ΣX	X	σ _x	No. Obs.	Mean No. of Hours with Temperature							Total	
						≤32 F	≥32 F	≤67 F	≥67 F	≤73 F	≥73 F	≤80 F	≥80 F	Total
Rel. Hum.	133127	17710	62.9	20.110	2440									
Dry Bulb	743327	137467	52.8	9.377	2440			2.4	65.7	27.3	0.3			744.0
Wet Bulb	1003917	117611	48.2	7.380	2440			9.0	9.0	0.0				744.0
Dew Point	4573375	105175	42.4	9.443	2440			134.1	1.5	0.3				744.0

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PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH	HOURS (LST)
11-11	11-11-11	17-11	JUL	1851

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PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	NORTH
1-11	1-11	17-23	1-11
1-12	1-12	17-23	1-12
1-13	1-13	17-23	1-13
1-14	1-14	17-23	1-14
1-15	1-15	17-23	1-15
1-16	1-16	17-23	1-16
1-17	1-17	17-23	1-17
1-18	1-18	17-23	1-18
1-19	1-19	17-23	1-19
1-20	1-20	17-23	1-20
1-21	1-21	17-23	1-21
1-22	1-22	17-23	1-22
1-23	1-23	17-23	1-23
1-24	1-24	17-23	1-24
1-25	1-25	17-23	1-25
1-26	1-26	17-23	1-26
1-27	1-27	17-23	1-27
1-28	1-28	17-23	1-28
1-29	1-29	17-23	1-29
1-30	1-30	17-23	1-30
1-31	1-31	17-23	1-31
1-32	1-32	17-23	1-32
1-33	1-33	17-23	1-33
1-34	1-34	17-23	1-34
1-35	1-35	17-23	1-35
1-36	1-36	17-23	1-36
1-37	1-37	17-23	1-37
1-38	1-38	17-23	1-38
1-39	1-39	17-23	1-39
1-40	1-40	17-23	1-40
1-41	1-41	17-23	1-41
1-42	1-42	17-23	1-42
1-43	1-43	17-23	1-43
1-44	1-44	17-23	1-44
1-45	1-45	17-23	1-45
1-46	1-46	17-23	1-46
1-47	1-47	17-23	1-47
1-48	1-48	17-23	1-48
1-49	1-49	17-23	1-49
1-50	1-50	17-23	1-50
1-51	1-51	17-23	1-51
1-52	1-52	17-23	1-52
1-53	1-53	17-23	1-53
1-54	1-54	17-23	1-54
1-55	1-55	17-23	1-55
1-56	1-56	17-23	1-56
1-57	1-57	17-23	1-57
1-58	1-58	17-23	1-58
1-59	1-59	17-23	1-59
1-60	1-60	17-23	1-60
1-61	1-61	17-23	1-61
1-62	1-62	17-23	1-62
1-63	1-63	17-23	1-63
1-64	1-64	17-23	1-64
1-65	1-65	17-23	1-65
1-66	1-66	17-23	1-66
1-67	1-67	17-23	1-67
1-68	1-68	17-23	1-68
1-69	1-69	17-23	1-69
1-70	1-70	17-23	1-70
1-71	1-71	17-23	1-71
1-72	1-72	17-23	1-72
1-73	1-73	17-23	1-73
1-74	1-74	17-23	1-74
1-75	1-75	17-23	1-75
1-76	1-76	17-23	1-76
1-77	1-77	17-23	1-77
1-78	1-78	17-23	1-78
1-79	1-79	17-23	1-79
1-80	1-80	17-23	1-80
1-81	1-81	17-23	1-81
1-82	1-82	17-23	1-82
1-83	1-83	17-23	1-83
1-84	1-84	17-23	1-84
1-85	1-85	17-23	1-85
1-86	1-86	17-23	1-86
1-87	1-87	17-23	1-87
1-88	1-88	17-23	1-88
1-89	1-89	17-23	1-89
1-90	1-90	17-23	1-90
1-91	1-91	17-23	1-91
1-92	1-92	17-23	1-92
1-93	1-93	17-23	1-93
1-94	1-94	17-23	1-94
1-95			

PAGE 7
HOURS (L.S.T.)

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PSYCHROMETRIC SUMMARY

STATION NAME: STATION 104, 105 YEARS: 77-78 MONTH: JUL PAGE: 1
 HOURS (L.S.T.): 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
66/37																		1	1			
67/38																		3	7			
68/39																		6	6			
69/40																		9	9			
70/41																		21	21			
71/42																		33	33			
72/43																		54	54			
73/44																		73	73	1		
74/45																		117	117	10	2	
75/46																		119	119	21	4	
76/47																		123	123	29	5	
77/48																		133	133	57	12	
78/49																		209	209	87	39	
79/50																		254	254	168	98	
80/51																		250	250	217	131	
81/52																		295	295	313	199	
82/53																		282	282	414	276	
83/54																		187	187	338	279	
84/55																		196	196	245	305	
85/56																		99	99	224	201	
86/57																		41	41	149	211	
87/58																		71	71	23	173	
88/59																		17	17	52	118	
89/60																		8	8	38	96	
90/61																		3	3	17	75	
91/62																		6	6	9	64	
92/63																						
93/64																						
94/65																						
95/66																						
96/67																						
97/68																						
98/69																						
99/70																						
100/71																						
TOTAL																		2480	2480	2480	2480	
Element (X)	ΣX ²		ΣX		X		σ _x		No. Obs.		Mean No. of Hours with Temperature										TOTAL	
Ref. Num.	10120037		191192		73.0		17.531		2497												Total	
Dry Bulb	1143253		17270		68.7		7.823		2437												744.1	
Wet Bulb	13281		15517		42.6		5.917		246												744.0	
Dew Point	674747		14565		53.7		7.261		249												744.0	

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PSYCHROMETRIC SUMMARY

STATION NAME
 DATE
 YEAR
 MONTH
 PAGE 1
 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
100/101																		2	2						
99/99																		1	1						
98/98																		2	2						
97/97																		4	4						
96/96																		4	4						
95/95																		11	11						
94/94																		29	29						
93/93																		40	40						
92/92																		63	63						
91/91																		66	66						
90/90																		99	99						
89/89																		99	99						
88/88																		140	140						
87/87																		172	172						
86/86																		240	240						
85/85																		246	246						
84/84																		268	268						
83/83																		281	281						
82/82																		225	225						
81/81																		154	154						
80/80																		112	112						
79/79																		77	77						
78/78																		55	55						
77/77																		34	34						
76/76																		13	13						
75/75																		13	13						
74/74																		8	8						
73/73																		4	4						
72/72																		1	1						
71/71																		1	1						
70/70																									
69/69																									
68/68																									
67/67																									
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8/8																									
7/7																									
6/6																									
5/5																									
4/4																									
3/3																									
2/2																									
1/1																									
0/0																									
Element (X)																			Mean No. of Hours with Temperature				TOTAL		
Rel. Hum.																			≥ 80 F				≥ 93 F		Total
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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PSYCHROMETRIC SUMMARY

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STATION	TIME
10-5-11	

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STATION NAME

YEARS

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PSYCHROMETRIC SUMMARY

STATION NAME: STATION 1
 MONTH: 1
 YEAR: 1970
 HOURS (LST): 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Wet Bulb	Dew Point				
59 / 77																		1	1					
60 / 78																		1	1					
61 / 79																		3	3					
62 / 80																		7	7					
63 / 81																		10	10					
64 / 82																		11	11	1				
65 / 83																		16	16	2				
66 / 84																		33	33	5				
67 / 85																		41	41	11				
68 / 86																		69	69	7				
69 / 87																		86	86	24				
70 / 88																		122	122	55				
71 / 89																		171	171	91				
72 / 90																		216	216	127				
73 / 91																		229	229	142				
74 / 92																		232	232	212				
75 / 93																		228	228	240				
76 / 94																		210	210	263				
77 / 95																		182	182	219				
78 / 96																		133	133	233				
79 / 97																		102	102	177				
80 / 98																		95	95	131				
81 / 99																		60	60	106				
82 / 100																		47	47	94				
83 / 101																		32	32	64				
84 / 102																		19	19	56				
85 / 103																		9	9	21				
86 / 104																		0	0	14				
87 / 105																		3	3	6				
88 / 106																		1	1	2				
89 / 107																								
90 / 108																								
91 / 109																								
92 / 110																								
93 / 111																								
94 / 112																								
95 / 113																								
96 / 114																								
97 / 115																								
98 / 116																								
99 / 117																								
100 / 118																								
Element (X)	Mean No. of Hours with Temperature																		Total					
Rel. Hum.	ΣX																		ΣX			Total		
Dry Bulb	ΣX																		ΣX			Total		
Wet Bulb	ΣX																		ΣX			Total		
Dew Point	ΣX																		ΣX			Total		

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PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH	DAYS	HOURS (L.S.T.)
10-11	10-11-12, 13	10-11	10-11	10-11	10-11

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PSYCHROMETRIC SUMMARY

STATION 100011 MONTH 007
 YEARS 77-78
 STATION NAME
 PAGE 1
 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
59 / 73																		1	1					
60 / 73																		2	2					
61 / 71																		7	7					
62 / 62																		5	5	1				
63 / 67																		19	19	1				
64 / 61																		35	35	1	1			
65 / 67																		52	52	6	7			
66 / 61																		68	68	24	11			
67 / 59																		121	121	41	25			
68 / 57																		136	136	96	57			
69 / 55																		168	168	106	69			
70 / 57																		184	184	141	111			
71 / 51																		209	209	173	107			
72 / 51																		213	213	187	127			
73 / 47																		199	199	193	149			
74 / 45																		198	198	209	140			
75 / 43																		161	161	194	146			
76 / 43																		140	140	187	147			
77 / 39																		139	139	191	107			
78 / 37																		95	95	175	150			
79 / 35																		86	86	179	165			
80 / 33																		100	100	126	147			
81 / 31																		62	62	176	131			
82 / 29																		37	37	73	142			
83 / 27																		25	25	45	112			
84 / 25																		11	11	32	90			
85 / 23																		2	2	17	66			
86 / 21																		4	4	7	44			
87 / 19																				3	63			
88 / 17																				3	27			
89 / 15																				1	24			
90 / 13																					17			
91 / 11																					17			
92 / 9																					14			
Element (X)	Mean No. of Hours with Temperature																		Total					
Rel. Hum.	No. Obs.																		≤ 0 F	≤ 32 F	≥ 67 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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1001	STATION	STATION NAME	13-25	YEARS	NOV	MONTH
					PAGE 1	HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
	74 / 77																		1	1		
77 / 80																		1	1			
80 / 83																		3	3			
83 / 86																		3	3		1	
86 / 89																		3	3			
89 / 92																		10	10		4	
92 / 95																		22	22		7	
95 / 98																		31	31		14	
98 / 101																		52	52		24	
101 / 104																		59	59		28	
104 / 107																		78	78		35	
107 / 110																		142	142		67	
110 / 113																		141	141		66	
113 / 116																		137	137		69	
116 / 119																		160	160		97	
119 / 122																		202	202		105	
122 / 125																		202	202		110	
125 / 128																		181	181		132	
128 / 131																		166	166		141	
131 / 134																		180	180		120	
134 / 137																		185	185		124	
137 / 140																		127	127		144	
140 / 143																		93	93		145	
143 / 146																		78	78		127	
146 / 149																		61	61		134	
149 / 152																		45	45		134	
152 / 155																		25	25		139	
155 / 158																		20	20		117	
158 / 161																		7	7		61	
161 / 164																		8	8		66	
164 / 167																		6	6		67	
167 / 170																		1	1		60	
170 / 173																		2	2		37	
1																						

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH	PAGE	HOURS (LST)
1-1-1	1-1-1	1-1-1	1-1-1	1-1-1	1-1-1

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NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION: 10011 MONTH: 7 YEARS: 1977

STATION NAME: 10011-1-1-1 HOURS (LST): 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	DB./W.B.	Dew Point						
60																		1							
61																		1							
62																		1							
63																		3							
64																		5							
65																		19	13						
66																		20	16						
67																		32	24						
68																		40	27						
69																		36	31						
70																		52	39						
71																		60	46						
72																		76	55						
73																		120	66						
74																		146	74						
75																		176	81						
76																		194	87						
77																		179	91						
78																		179	94						
79																		170	96						
80																		172	98						
81																		170	100						
82																		172	102						
83																		74	104						
84																		74	106						
85																		70	108						
86																		75	110						
87																		55	112						
88																		34	114						
89																		36	116						
90																		12	118						
91																		16	120						
92																		3	122						
93																									
94																									
95																									
96																									
97																									
98																									
99																									
100																									
Element (X)	Mean No. of Hours with Temperature																		Total						
Rel. Hum.	≤ 0 F																		≥ 0 F	≥ 32 F	≥ 47 F	≥ 60 F	≥ 93 F	Total	
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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PSYCHROMETRIC SUMMARY

STATION 100-10174, ME STATION NAME 72-22 YEARS MONTH 1972 HOURS (LST) 2475

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Wet Bulb	Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31				
1/-	0	0																6	6	6	4
2/-	0	0																11	11	12	25
3/-	0	0																5	5	5	25
4/-	0	0																5	5	5	25
5/-	0	0																3	3	3	24
6/-	0	0																5	5	5	24
7/-	0	0																1	1	1	7
8/-	0	0																1	1	1	14
9/-	0	0																1	1	1	1
10/-	0	0																			0
11/-	0	0																			0
12/-	0	0																			0
13/-	0	0																			0
14/-	0	0																			0
15/-	0	0																			0
16/-	0	0																			0
17/-	0	0																			0
18/-	0	0																			0
19/-	0	0																			0
20/-	0	0																			0
21/-	0	0																			0
22/-	0	0																			0
23/-	0	0																			0
24/-	0	0																			0
25/-	0	0																			0
26/-	0	0																			0
27/-	0	0																			0
28/-	0	0																			0
29/-	0	0																			0
30/-	0	0																			0
31/-	0	0																			0
TOTAL	1	44	32	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2475	2475	2475	2475

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature				
Rel. Hum.	1740172	174482	70.3	12.339	2475	≥80 F	≥73 F	≥67 F	≥53 F	Total
Dry Bulb	2130114	65220	26.6	12.371	2475	≥80 F	≥73 F	≥67 F	≥53 F	7440
Wet Bulb	122522	6222	24.8	12.209	2475	≥80 F	≥73 F	≥67 F	≥53 F	7440
Dew Point	1645544	67044	17.5	15.766	2475	≥80 F	≥73 F	≥67 F	≥53 F	7440

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

STATION: 10011 LOCATION: STATION, W YEARS: 19-22 MONTH: JUL
 STATION NAME: STATION, W HOURS (LST): 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
77-78	0	1.0	1.0	0.8	0.6	0.4	0.1											530	730	745	870
77-77	0	1.0	1.0	0.8	0.4	0.4	0.1											712	712	955	320
77-75	0	0.9	0.9	0.8	0.6	0.4	0.1											643	643	333	945
77-73	0	0.8	0.8	0.7	0.6	0.4	0.1											567	567	721	855
77-71	0	0.7	0.7	0.7	0.6	0.4	0.1											530	530	645	728
77-70	0	0.7	0.7	0.7	0.6	0.4	0.1											493	493	590	790
77-70	0	0.7	0.7	0.6	0.6	0.4	0.1											404	404	535	647
77-70	0	0.7	0.7	0.6	0.6	0.4	0.1											344	344	434	580
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											310	310	383	570
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											274	274	347	511
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											245	245	299	471
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											191	191	244	467
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											163	163	224	381
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											109	109	135	308
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											107	107	127	268
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											68	68	90	255
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											58	58	67	249
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											49	49	60	218
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											32	32	35	192
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											22	22	22	177
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											14	14	17	167
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											13	13	13	170
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											2	2	3	69
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											3	3	5	57
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											3	3	3	55
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											2	2	2	43
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											1	1	1	45
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											1	1	1	33
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											1	1	1	30
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											1	1	1	31
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											1	1	1	4
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											1	1	1	3
77-70	0	0.7	0.6	0.6	0.6	0.4	0.1											1	1	1	1

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION NAME: 20051 K. MC YEARS: 2005 MONTH: ALL PAGE: 3 HOURS (L.S.T.): 0000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
0																					
1	457.1	124.2	14.7	4.1	3.7	3.3	2.1	1.3	.6	.7	.1	.0	.0	.0	.0	.0	.0	29213	29213	29216	1
2																					
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Element (X)	$\sum X^2$		$\sum X$		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature						Total				
Rel. Hum.	1714843		2036607		49.7		19.134		29213		≥ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		Total
Dry Bulb	777649		1723334		45.3		15.369		29213		112.8		2262.7		1214.7		340.3		182.1		8760.0
Wet Bulb	3373763		1190431		41.1		17.847		29214		134.1		2833.6		434.7		74.4		2.1		8762.0
Dew Point	4070136		1021564		35.3		20.307		29216		587.4		3713.6		216.0		33.6		.9		8763.2

MEANS AND STANDARD DEVIATIONS

OPV - FULL TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION NAME

73-52

STATION

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
MEAN	17.7	19.5	20.4	37.2	47.8	56.7	62.6	61.9	54.3	43.7	35.0	24.5	41.0
S.D.	13.500	12.047	9.276	7.029	6.748	5.960	4.997	5.668	7.421	8.565	9.186	12.699	17.900
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
MEAN	15.7	17.4	22.0	36.1	45.3	55.1	61.2	60.1	52.5	42.2	35.0	23.4	39.5
S.D.	13.959	12.594	9.713	7.366	7.289	6.415	5.580	6.218	7.862	8.803	9.649	13.104	18.273
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
MEAN	17.2	16.3	22.4	39.7	51.8	60.9	66.2	67.9	54.6	42.6	34.7	22.7	41.4
S.D.	14.553	13.367	9.943	7.201	6.831	6.230	4.392	5.360	7.163	8.642	9.899	13.478	20.021
TOTAL OBS	311	282	310	300	310	300	310	310	300	310	300	309	3652
MEAN	19.9	24.3	35.6	46.9	58.9	67.2	73.4	71.8	62.6	51.5	41.3	27.7	48.5
S.D.	12.218	10.725	9.151	9.329	8.612	8.079	6.222	6.939	6.686	7.189	8.500	11.520	20.105
TOTAL OBS	311	282	310	300	310	300	310	310	300	310	300	310	3653
MEAN	24.2	29.3	39.1	50.0	61.4	69.7	76.5	74.8	66.0	55.2	44.7	31.8	52.1
S.D.	11.934	9.742	8.965	9.876	9.092	8.609	6.962	7.474	7.273	7.576	8.654	10.710	19.517
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	24.5	29.5	38.6	48.8	59.5	68.0	74.9	73.2	64.7	53.7	42.9	30.5	50.9
S.D.	10.836	9.436	8.723	9.087	8.882	7.718	6.611	7.161	6.812	7.052	8.470	10.393	18.903
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	10.7	24.9	34.4	44.0	54.4	63.2	69.4	67.5	58.9	48.0	38.9	27.2	46.1
S.D.	17.132	10.055	7.960	7.624	7.341	6.393	5.201	5.478	5.947	7.291	8.526	11.502	18.236
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
MEAN	12.1	21.7	31.8	40.4	50.5	58.8	65.0	67.9	56.1	45.2	37.0	25.4	42.9
S.D.	17.833	11.459	8.121	7.000	6.616	5.719	4.645	5.422	6.705	8.124	9.133	12.139	17.854
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
MEAN	19.3	22.8	33.2	43.0	57.8	62.4	68.7	67.1	58.7	47.8	38.8	26.6	45.1
S.D.	13.255	12.186	9.898	9.469	9.370	8.636	7.824	8.127	8.500	9.274	9.694	12.372	19.370
TOTAL OBS	2412	2254	2480	2400	2480	2400	2480	2480	2400	2480	2400	2475	29213

MEANS AND STANDARD DEVIATIONS

MEY- ULD TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14-11 10055100, ME

73-82

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
MEAN	15.1	17.5	26.7	34.2	44.7	53.7	59.7	59.2	51.8	41.2	33.6	22.7	39.5
S. D.	13.173	11.730	9.141	7.350	6.798	5.773	5.580	5.975	7.820	9.008	9.428	12.480	17.631
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	13.7	15.7	25.6	33.5	43.7	52.6	58.7	57.9	50.4	40.0	32.9	21.7	37.3
S. D.	13.458	12.329	9.828	7.685	7.301	6.357	6.037	6.529	8.156	9.204	9.908	12.914	17.886
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	17.3	14.7	26.0	36.2	47.4	56.5	62.0	60.7	57.1	40.2	32.6	21.1	38.6
S. D.	14.022	12.930	9.968	7.381	6.610	5.508	4.750	5.705	7.452	8.939	10.106	13.176	19.227
TOTAL OBS	311	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	17.7	21.3	31.7	40.7	51.1	59.3	65.0	64.2	56.4	45.9	37.5	25.3	43.7
S. D.	11.798	10.308	8.826	7.684	7.023	6.022	5.464	5.925	6.566	7.548	8.695	11.336	18.010
TOTAL OBS	311	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	21.7	25.2	33.5	42.0	52.2	60.4	66.2	65.4	57.9	47.9	39.4	28.2	45.1
S. D.	10.459	9.224	8.244	7.336	6.994	6.097	5.440	5.839	6.461	7.339	8.505	10.360	16.977
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	21.6	25.3	33.1	41.6	51.3	59.4	65.5	64.7	57.4	47.1	38.2	27.2	44.5
S. D.	10.325	8.925	7.851	6.985	6.715	5.596	5.203	5.739	6.296	7.231	8.415	10.115	16.736
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	18.3	21.0	30.4	38.7	48.7	57.0	63.0	62.3	54.6	44.1	35.7	24.8	41.7
S. D.	11.707	9.932	7.888	6.842	6.252	5.203	4.908	5.236	6.377	7.932	8.866	11.509	17.098
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	16.2	19.4	28.6	36.6	46.7	55.0	61.0	60.5	52.0	42.1	34.3	23.4	39.8
S. D.	12.309	11.130	8.289	7.031	6.413	5.343	5.117	5.516	7.085	8.565	9.409	11.996	17.346
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	17.0	20.1	29.4	38.0	48.2	56.7	62.6	61.9	54.2	43.6	35.5	24.3	41.1
S. D.	12.638	11.512	9.259	7.662	7.381	6.336	5.917	6.349	7.525	8.746	9.443	12.009	17.881
TOTAL OBS	2482	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2478	29216

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

DEL-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14511 RPOUSWICK, ME

73-82

STATION NAME YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
MEAN	7.2	9.1	19.5	29.4	41.1	51.2	57.6	57.4	49.4	37.6	29.1	16.7	33.9
S.D.	15.5	15.7	13.3	10.6	8.7	6.6	6.8	6.9	9.2	11.4	12.0	15.6	20.8
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	6.0	7.9	18.8	28.4	40.5	50.4	56.9	56.3	48.4	36.7	28.6	16.0	33.0
S.D.	16.5	16.2	13.6	10.9	8.8	7.2	7.1	7.2	9.3	11.4	12.3	16.0	21.0
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	6.0	6.0	19.2	30.2	42.7	53.1	59.1	58.4	49.8	36.8	28.4	15.4	33.9
S.D.	15.7	16.5	13.7	10.8	9.0	6.7	6.3	6.8	9.2	11.0	12.4	16.3	21.9
TOTAL OBS	311	282	310	300	310	300	310	310	300	310	300	310	3653
MEAN	9.1	11.4	21.9	30.6	43.2	53.4	59.7	59.4	51.4	39.2	31.2	18.5	35.9
S.D.	15.2	14.9	13.1	10.6	10.4	8.2	7.8	7.9	8.9	11.4	12.2	14.7	20.8
TOTAL OBS	311	282	310	300	310	300	310	310	300	310	300	310	3653
MEAN	11.6	13.7	22.6	31.2	43.2	53.6	59.8	59.6	51.6	39.4	31.5	19.7	36.6
S.D.	14.6	14.3	12.7	10.7	10.6	8.7	7.9	7.9	9.0	11.3	12.2	14.6	20.2
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	11.2	13.5	22.6	31.6	43.1	52.9	59.6	59.4	51.6	39.2	30.6	19.7	36.3
S.D.	14.7	14.4	12.7	10.9	10.8	8.1	7.6	7.9	8.8	11.3	12.2	14.6	20.1
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	9.0	12.2	21.7	30.9	42.8	52.2	58.8	59.0	50.9	39.0	30.0	17.8	35.5
S.D.	15.7	14.9	12.6	10.5	8.9	7.1	7.0	6.7	8.4	11.0	12.3	15.3	20.4
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
MEAN	7.0	10.7	21.0	30.4	42.4	51.8	58.2	58.1	50.3	37.9	29.3	17.1	34.7
S.D.	15.9	15.4	12.8	10.4	8.5	6.4	6.6	6.5	8.5	11.2	12.2	15.4	20.5
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
MEAN	8.4	10.7	20.9	30.4	42.4	52.3	58.7	58.4	50.4	38.2	29.8	17.5	35.0
S.D.	15.9	15.2	13.3	10.6	9.4	7.5	7.2	7.3	8.9	11.3	12.3	15.3	20.8
TOTAL OBS	242	225	248	240	248	240	248	248	240	248	240	247	2921

RELATIVE HUMIDITY

WILLIAM E. HILL, JR.

7-2-8-5

三

STATION	STATION NAME
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001830

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN.	01	100.0	99.7	97.7	96.5	82.9	65.5	43.5	26.5	9.7	67.5	310
	4	100.0	99.7	98.7	93.9	84.2	67.4	44.5	23.2	9.7	67.8	310
	7	100.0	100.0	99.7	97.4	85.8	67.4	44.8	24.5	11.3	69.0	310
	10	100.0	100.0	99.0	91.6	75.9	52.7	36.0	22.5	9.3	64.2	311
	13	100.0	99.7	96.5	92.3	60.0	41.0	26.5	17.1	8.4	59.0	310
	16	100.0	99.7	94.2	83.9	57.1	40.0	27.1	16.1	7.4	58.4	310
	19	100.0	99.4	97.7	88.7	72.9	48.4	31.6	18.7	7.4	62.2	310
	22	100.0	100.0	98.7	91.7	76.7	61.6	40.0	22.3	7.7	65.7	310
TOTALS		170.0	99.6	97.8	90.8	74.7	55.5	36.8	21.4	6.9	64.2	2491

4

WILSON, JAMES

73-02

524

STATION

STATION NAME

PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	21	100.0	100.0	98.6	91.5	77.3	60.6	40.4	22.0	7.1	65.3	282
	24	100.0	100.0	98.9	93.6	82.3	63.5	44.0	24.8	9.6	67.1	282
FEB	27	100.0	100.0	98.9	94.3	81.2	63.8	45.7	25.5	9.2	67.4	292
	10	100.0	100.0	96.5	85.5	61.3	46.8	33.0	17.4	6.7	60.0	282
MAY	17	100.0	99.6	91.8	72.0	51.8	36.2	22.7	13.1	3.9	54.7	282
	16	100.0	98.6	87.2	69.9	52.4	35.1	23.4	12.4	4.3	54.2	282
JUN	16	100.0	100.0	95.7	84.6	64.9	46.1	33.7	17.7	7.4	60.6	292
	22	100.0	100.0	97.2	92.2	74.1	54.3	35.8	20.6	7.8	64.0	282
TOTALS												
TOTALS		100.0	99.8	95.6	85.5	66.2	50.8	34.8	19.2	7.0	61.7	2256

NAVWEASERVCOM

RELATIVE HUMIDITY

1411 BRUNSWICK, ME

73-92

MAP

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	01	100.0	99.7	98.4	91.9	80.6	67.4	48.7	29.7	11.3	68.4	310
	04	100.0	100.0	99.0	93.2	83.2	69.7	51.6	34.5	14.5	70.2	310
	07	100.0	100.0	100.0	93.2	83.9	65.8	49.0	34.5	13.5	69.8	310
	10	100.0	99.7	93.5	79.4	61.9	47.1	35.5	21.9	11.0	60.7	310
	13	99.7	97.7	87.1	70.0	51.9	37.7	25.5	17.1	6.8	55.3	310
	16	100.0	97.4	87.4	73.5	55.8	40.3	28.7	18.1	6.4	56.4	310
	19	100.0	99.4	94.2	83.9	70.0	52.3	35.5	23.9	10.0	62.6	310
	22	100.0	99.7	96.8	99.7	76.1	61.6	45.2	29.4	11.3	66.5	310
TOTALS		100.0	99.2	94.6	84.4	70.4	55.2	40.0	26.1	10.9	63.7	2480

RELATIVE HUMIDITY

1411 225-100, 225-101, 225-102, 225-103, 225-104, 225-105, 225-106, 225-107, 225-108, 225-109, 225-110, 225-111, 225-112, 225-113, 225-114, 225-115, 225-116, 225-117, 225-118, 225-119, 225-120, 225-121, 225-122, 225-123, 225-124, 225-125, 225-126, 225-127, 225-128, 225-129, 225-130, 225-131, 225-132, 225-133, 225-134, 225-135, 225-136, 225-137, 225-138, 225-139, 225-140, 225-141, 225-142, 225-143, 225-144, 225-145, 225-146, 225-147, 225-148, 225-149, 225-150, 225-151, 225-152, 225-153, 225-154, 225-155, 225-156, 225-157, 225-158, 225-159, 225-160, 225-161, 225-162, 225-163, 225-164, 225-165, 225-166, 225-167, 225-168, 225-169, 225-170, 225-171, 225-172, 225-173, 225-174, 225-175, 225-176, 225-177, 225-178, 225-179, 225-180, 225-181, 225-182, 225-183, 225-184, 225-185, 225-186, 225-187, 225-188, 225-189, 225-190, 225-191, 225-192, 225-193, 225-194, 225-195, 225-196, 225-197, 225-198, 225-199, 225-200, 225-201, 225-202, 225-203, 225-204, 225-205, 225-206, 225-207, 225-208, 225-209, 225-210, 225-211, 225-212, 225-213, 225-214, 225-215, 225-216, 225-217, 225-218, 225-219, 225-220, 225-221, 225-222, 225-223, 225-224, 225-225, 225-226, 225-227, 225-228, 225-229, 225-230, 225-231, 225-232, 225-233, 225-234, 225-235, 225-236, 225-237, 225-238, 225-239, 225-240, 225-241, 225-242, 225-243, 225-244, 225-245, 225-246, 225-247, 225-248, 225-249, 225-250, 225-251, 225-252, 225-253, 225-254, 225-255, 225-256, 225-257, 225-258, 225-259, 225-260, 225-261, 225-262, 225-263, 225-264, 225-265, 225-266, 225-267, 225-268, 225-269, 225-270, 225-271, 225-272, 225-273, 225-274, 225-275, 225-276, 225-277, 225-278, 225-279, 225-280, 225-281, 225-282, 225-283, 225-284, 225-285, 225-286, 225-287, 225-288, 225-289, 225-290, 225-291, 225-292, 225-293, 225-294, 225-295, 225-296, 225-297, 225-298, 225-299, 225-300, 225-301, 225-302, 225-303, 225-304, 225-305, 225-306, 225-307, 225-308, 225-309, 225-310, 225-311, 225-312, 225-313, 225-314, 225-315, 225-316, 225-317, 225-318, 225-319, 225-320, 225-321, 225-322, 225-323, 225-324, 225-325, 225-326, 225-327, 225-328, 225-329, 225-330, 225-331, 225-332, 225-333, 225-334, 225-335, 225-336, 225-337, 225-338, 225-339, 225-340, 225-341, 225-342, 225-343, 225-344, 225-345, 225-346, 225-347, 225-348, 225-349, 225-350, 225-351, 225-352, 225-353, 225-354, 225-355, 225-356, 225-357, 225-358, 225-359, 225-360, 225-361, 225-362, 225-363, 225-364, 225-365, 225-366, 225-367, 225-368, 225-369, 225-370, 225-371, 225-372, 225-373, 225-374, 225-375, 225-376, 225-377, 225-378, 225-379, 225-380, 225-381, 225-382, 225-383, 225-384, 225-385, 225-386, 225-387, 225-388, 225-389, 225-390, 225-391, 225-392, 225-393, 225-394, 225-395, 225-396, 225-397, 225-398, 225-399, 225-400, 225-401, 225-402, 225-403, 225-404, 225-405, 225-406, 225-407, 225-408, 225-409, 225-410, 225-411, 225-412, 225-413, 225-414, 225-415, 225-416, 225-417, 225-418, 225-419, 225-420, 225-421, 225-422, 225-423, 225-424, 225-425, 225-426, 225-427, 225-428, 225-429, 225-430, 225-431, 225-432, 225-433, 225-434, 225-435, 225-436, 225-437, 225-438, 225-439, 225-440, 225-441, 225-442, 225-443, 225-444, 225-445, 225-446, 225-447, 225-448, 225-449, 225-450, 225-451, 225-452, 225-453, 225-454, 225-455, 225-456, 225-457, 225-458, 225-459, 225-460, 225-461, 225-462, 225-463, 225-464, 225-465, 225-466, 225-467, 225-468, 225-469, 225-470, 225-471, 225-472, 225-473, 225-474, 225-475, 225-476, 225-477, 225-478, 225-479, 225-480, 225-481, 225-482, 225-483, 225-484, 225-485, 225-486, 225-487, 225-488, 225-489, 225-490, 225-491, 225-492, 225-493, 225-494, 225-495, 225-496, 225-497, 225-498, 225-499, 225-500, 225-501, 225-502, 225-503, 225-504, 225-505, 225-506, 225-507, 225-508, 225-509, 225-510, 225-511, 225-512, 225-513, 225-514, 225-515, 225-516, 225-517, 225-518, 225-519, 225-520, 225-521, 225-522, 225-523, 225-524, 225-525, 225-526, 225-527, 225-528, 225-529, 225-530, 225-531, 225-532, 225-533, 225-534, 225-535, 225-536, 225-537, 225-538, 225-539, 225-540, 225-541, 225-542, 225-543, 225-544, 225-545, 225-546, 225-547, 225-548, 225-549, 225-550, 225-551, 225-552, 225-553, 225

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STATION

STATION NAME

PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	100.0	100.0	96.7	87.0	74.0	60.0	40.7	17.7	73.6	300
	04	100.0	99.7	99.3	97.7	90.0	79.7	65.0	44.0	19.3	75.1	300
	07	100.0	100.0	99.3	95.7	83.0	67.7	50.7	37.7	19.3	71.1	300
	10	100.0	99.7	90.3	71.7	53.3	39.0	28.7	19.0	10.0	57.1	300
	17	100.0	96.7	82.7	64.0	48.7	34.7	27.0	16.0	7.7	53.3	300
	18	100.0	96.0	84.7	73.0	54.7	40.7	31.3	18.7	7.7	56.2	300
	19	100.0	99.0	94.0	85.7	71.7	56.3	39.0	23.7	10.7	63.5	300
	22	100.0	99.7	99.3	94.3	81.7	63.0	50.0	32.0	16.0	69.7	300
TOTALS		100.0	98.7	93.7	84.9	71.1	56.9	44.0	29.0	13.6	65.0	2400

RELATIVE HUMIDITY

STATION 14011 GUNSLICK, ME PERIOD 73-2 MONTH MAY

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	01	100.0	100.0	100.0	96.4	95.2	86.1	74.8	57.3	21.3	76.7	310
	04	100.0	100.0	100.0	99.4	98.4	90.6	81.0	57.4	25.2	81.4	310
	07	100.0	100.0	99.0	97.1	88.7	73.9	57.7	39.7	17.7	73.5	310
	10	100.0	98.7	92.3	70.6	61.6	46.1	32.6	22.3	9.4	60.1	310
	13	100.0	97.4	86.5	70.6	53.9	39.0	26.1	16.1	6.1	55.5	310
	16	100.0	98.4	90.3	73.7	62.3	44.5	30.3	19.7	7.1	58.6	310
	19	100.0	99.0	97.4	89.4	80.0	69.1	49.1	28.4	10.6	67.8	310
	22	100.0	100.0	99.7	97.1	92.3	81.3	67.1	43.9	16.1	75.7	310
TOTALS		100.0	99.2	95.7	78.9	79.1	66.2	52.2	34.6	14.1	68.9	2400

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PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	01	100.0	100.0	100.0	100.0	100.0	97.3	85.0	56.3	24.0	82.5	300
	04	100.0	100.0	100.0	100.0	99.3	97.7	91.0	69.3	29.3	84.9	300
	07	100.0	100.0	100.0	99.7	97.7	84.0	63.3	43.0	25.0	77.1	300
	10	100.0	100.0	97.7	87.3	73.0	54.3	38.7	26.7	11.7	64.5	300
	13	100.0	100.0	93.7	78.3	63.3	47.7	35.3	21.7	7.7	60.2	300
	16	100.0	100.0	95.0	82.7	67.7	50.7	34.7	24.3	7.7	62.0	300
	19	100.0	100.0	99.7	93.0	85.3	68.7	49.7	31.0	10.0	69.7	300
	22	100.0	100.0	100.0	100.0	97.7	90.0	72.3	45.7	19.0	78.8	300
TOTALS		100.0	100.0	98.3	92.6	85.5	73.8	59.8	39.8	16.7	72.5	2400

RELATIVE HUMIDITY

MILITARY LITERATURE

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PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	01	100.0	100.0	100.0	100.0	100.0	97.4	87.7	67.4	30.3	84.2	310
	04	100.0	100.0	100.0	100.0	99.7	98.4	93.5	75.5	34.2	86.1	310
	07	100.0	100.0	100.0	100.0	98.7	91.6	70.3	48.1	20.6	79.0	310
	10	100.0	100.0	99.7	93.2	74.2	53.2	35.8	23.5	9.7	64.4	310
	13	100.0	100.0	98.4	84.2	60.3	40.6	27.7	16.1	7.7	58.9	310
	16	100.0	100.0	99.0	86.5	71.0	47.7	31.9	18.4	6.5	61.6	310
	19	100.0	100.0	99.7	96.5	87.7	74.2	52.3	32.9	10.3	70.8	310
	22	100.0	100.0	100.0	100.0	99.0	91.3	75.9	54.2	16.8	79.3	310
TOTALS		100.0	100.0	99.6	95.1	86.3	74.3	59.4	42.0	17.0	73.0	2490

RELATIVE HUMIDITY

STATION 1411 0005.10K, MO 73-53 PERIOD MONTH SEP

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	01	100.0	100.0	100.0	100.0	99.7	95.3	84.7	67.3	37.3	84.5	300
	04	100.0	100.0	100.0	100.0	99.3	97.3	87.7	73.0	44.7	86.7	300
	07	100.0	100.0	100.0	100.0	99.0	96.0	84.5	67.0	39.7	84.9	300
	10	100.0	100.0	100.0	98.0	84.3	62.0	44.3	27.7	14.0	68.8	300
	13	100.0	100.0	99.3	80.0	65.7	46.0	31.7	22.0	9.0	62.1	300
	16	100.0	100.0	99.0	61.3	75.7	55.7	34.3	22.7	12.7	65.0	300
	19	100.0	100.0	100.0	99.7	96.7	83.0	63.0	44.0	19.0	76.2	300
	22	100.0	100.0	100.0	100.0	99.3	92.7	79.3	56.7	27.0	81.8	300
TOTALS		100.0	100.0	99.0	87.4	80.0	76.5	63.7	47.6	25.4	76.3	2400

RELATIVE HUMIDITY

STATION 14 11 GROSSAIGT, ME

77-20

107

STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
07	01	100.0	100.0	100.0	99.0	94.2	87.4	74.5	56.1	29.0	60.2	310
	02	100.0	100.0	100.0	99.4	95.5	88.4	70.7	63.2	34.2	81.8	310
	03	100.0	100.0	100.0	99.0	96.1	89.0	77.1	60.0	30.6	81.1	310
	04	100.0	100.0	98.4	90.3	75.8	55.8	40.0	21.9	10.6	65.0	310
	05	100.0	100.0	93.9	73.4	67.0	42.3	26.6	16.1	7.1	58.3	310
	06	100.0	99.7	94.5	81.9	66.8	49.4	32.6	19.7	8.4	60.9	310
	07	100.0	100.0	100.0	94.5	88.1	73.4	58.7	35.5	14.2	72.7	310
	08	100.0	100.0	100.0	97.4	92.3	83.2	67.7	48.7	25.5	77.4	310
TOTALS		100.0	100.0	95.4	72.5	57.6	41.7	27.0	15.2	7.2	72.2	2400

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MONTH

NAVWEASERVCOM

RELATIVE HUMIDITY

STATION 10 11 00 54 17 47

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STATION

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	1	100.0	100.0	100.0	98.4	89.0	75.1	59.2	37.5	17.5	73.3	309
	2	100.0	100.0	100.0	97.4	90.6	78.0	60.8	47.8	21.0	74.6	309
	3	100.0	100.0	99.7	96.4	90.0	79.3	63.4	43.7	20.4	75.0	309
	4	100.0	100.0	99.7	94.2	84.8	71.0	49.4	31.0	18.7	70.3	310
	5	100.0	99.4	97.1	88.7	67.7	50.3	35.5	24.2	14.5	63.4	310
	6	100.0	99.7	98.4	90.0	70.3	54.8	38.7	21.3	13.9	64.5	310
	7	100.0	100.0	99.0	95.1	83.9	65.7	47.6	29.4	17.5	69.4	309
	8	100.0	100.0	100.0	96.8	86.7	73.8	55.0	33.0	18.1	71.9	309
TOTALS		100.0	99.9	99.2	94.6	83.1	68.5	51.2	32.6	17.7	70.3	2475

NAVWEASERVCOM

RELATIVE HUMIDITY

STATION 1-11 BOSTON, MA 73-5 PERIOD MONTH ALL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.8	97.8	90.8	74.7	55.5	36.9	21.4	8.9	64.2	2461
FEB		100.0	99.8	95.6	85.5	68.7	50.8	34.6	19.2	7.0	61.7	2256
MAR		100.0	99.2	94.6	84.4	70.4	55.2	40.0	26.1	10.9	63.7	2480
APR		100.0	96.7	93.7	84.9	71.1	56.9	44.0	29.0	13.6	65.0	2400
MAY		100.0	99.2	95.7	88.9	79.1	66.2	52.2	34.6	14.1	68.9	2430
JUN		100.0	100.0	98.3	92.6	85.5	73.8	58.8	39.8	16.7	72.5	2400
JUL		100.0	100.0	99.6	95.1	86.7	74.3	59.4	42.0	17.0	73.0	2480
AUG		100.0	100.0	99.5	96.9	89.8	79.8	66.7	48.3	19.0	76.0	2490
SEP		100.0	100.0	99.5	97.4	90.0	78.5	63.7	47.6	25.4	76.3	2400
OCT		100.0	100.0	98.4	92.5	83.6	71.7	57.0	40.2	20.0	72.2	2400
NOV		100.0	100.0	99.1	94.2	84.7	71.3	55.6	39.9	22.2	72.5	2400
DEC		100.0	99.9	99.0	94.6	83.1	68.5	51.2	32.6	17.7	70.3	2475
TOTALS		100.0	99.7	97.6	91.5	80.5	66.9	51.7	35.1	16.0	69.7	29212

vs.

WIND DIRECTION

LEADS

JULY 1973 - DISCLOSED 1992
FBI

J. J. J.

MC-RS - S.T.i.

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NAVWEASERVCOM

VS.
WIND DIRECTION

SEPTEMBER
MONTH

MOORE'S L.S.T.

[illegible]

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION 100, M

JANUARY 1973-DECEMBER 1992

MONTH

HOURE 4.5.73

WIND DIRECTION

TEMP.	NW & N	NE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
12.1										
12.1-13.1										
13.1-14.1										
14.1-15.1										
15.1-16.1										
16.1-17.1										
17.1-18.1										
18.1-19.1										
19.1-20.1										
20.1-21.1										
21.1-22.1										
22.1-23.1										
23.1-24.1										
24.1-25.1										
25.1-26.1										
26.1-27.1										
27.1-28.1										
28.1-29.1										
29.1-30.1										
30.1-31.1										
31.1-32.1										
32.1-33.1										
33.1-34.1										
34.1-35.1										
35.1-36.1										
36.1-37.1										
37.1-38.1										
38.1-39.1										
39.1-40.1										
40.1-41.1										
41.1-42.1										
42.1-43.1										
43.1-44.1										
44.1-45.1										
45.1-46.1										
46.1-47.1										
47.1-48.1										
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85.1-86.1										
86.1-87.1										
87.1-88.1										
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89.1-90.1										
90.1-91.1										
91.1-92.1										
92.1-93.1										
93.1-94.1										
94.1-95.1										
95.1-96.1										
96.1-97.1										
97.1-98.1										
98.1-99.1										
99.1-100.1										
TOTALS	19.4	10.4	4.4	3.0	10.2	10.7	9.5	15.3	24.0	100.0

[illegible]

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION, NAME

JANUARY 1974-DECEMBER 1982

MONTH

YEAR

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSW & SW	WSW & W	VNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+										
117 TO 121										
112 TO 116										
107 TO 111										
102 TO 106										
97 TO 101										
92 TO 96						102.0			1	0
87 TO 91	10.0						24.0		2	1
82 TO 86	21.4			7.1	25.6	7.1	7.1		14	6
77 TO 81	12.1		3.0	3.0	45.5	15.2	15.2		23	10
72 TO 76	16.7	2.7	1.2	5.6	37.0	3.7	16.7	1.9	54	23
67 TO 71	14.4	5.6	3.2	1.2	35.2	15.2	13.6	4.3	125	53
62 TO 66	10.7	8.6	3.7	7.0	17.7	13.6	9.0	5.2	244	98
57 TO 61	11.2	7.0	7.0	7.7	16.2	15.2	3.5	3.5	401	162
52 TO 56	11.3	11.2	6.7	6.5	10.4	4.1	7.8	11.2	533	217
47 TO 51	12.1	11.2	6.9	5.5	11.8	5.6	8.1	16.2	510	209
42 TO 46	17.4	7.6	13.6	6.8	4.4	4.7	5.7	24.0	367	148
37 TO 41	17.3	9.2	6.8	2.3	7.5	12.5	10.5	34.6	133	54
32 TO 36	18.6				2.3	18.6	7.0	46.5	43	17
27 TO 31						16.7		93.3	6	2
22 TO 26										
17 TO 21										
12 TO 16										
7 TO 11										
2 TO 6										
1 TO 5										
0 TO 1										
TOTALS	13.1	6.7	7.0	6.5	25.4	11.0	5.4	14.5	2487	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION: 104, ME

JANUARY 1977-DECEMBER 1982

MONTH: JUNE

HOURS: 24

WIND DIRECTION

TEMP.	NNE & N	NNE & NE	ESE & E	ENE & E	ESSE & SE	SSW & SW	WSW & W	VNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 122											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	12.0		6.2	25.0	25.0	25.0	6.3	25.0		2	.1
82 TO 86	13.7	6.5		19.6	26.1	4.3	4.3	30.4	4.3	46	1.9
77 TO 81	9.2	4.7		31.0	28.7	9.2	9.2	14.9	2.3	67	3.6
72 TO 76	3.6	5.6	7.0	2.5	37.6	19.3	9.1	14.2	5.1	197	8.2
67 TO 71	9.7	3.7	2.0	4.7	36.4	22.6	4.9	9.5	6.9	347	14.5
62 TO 66	7.8	6.1	4.0	4.4	37.0	19.4	4.4	6.8	10.2	527	22.2
57 TO 61	10.7	7.9	5.6	7.2	30.5	14.7	3.7	5.6	14.2	571	23.8
52 TO 56	15.1	7.3	9.0	6.5	22.1	7.5	7.5	4.3	20.6	398	16.6
47 TO 51	17.4	8.1	9.3	3.7	14.9	5.6	9.9	4.3	26.7	161	6.7
42 TO 46	14.7	2.9			2.9	14.7	8.8	5.9	50.0	34	1.4
37 TO 41						25.0	16.7	8.3	50.0	17	.5
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
1 TO 4											
0 TO 1											
TOTALS	119.0	6.0	4.0	0.0	0.0	1.0	5.6	7.8	17.4	240	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION

JANUARY 1971-DECEMBER 1982

MONTH

NO. OF DAYS

WIND DIRECTION

TEMP.	NNE & N	NNE & NE	ESE & E	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
100										
101										
102										
103										
104										
105										
106										
107										
108										
109										
110										
111										
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199										
200										
TOTAL	11.4	4.0	3.1	27.7	19.1	5.3	1.0	18.3	24.1	100.0

NAVWEASERVCOM

vs.

WIND DIRECTION

1073-756-1982

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION, ME

10-11

JANUARY 1971-DECEMBER 1982

MONTH

HC RS USST

WIND DIRECTION

TEMP.	NW & N	NNE & NE	ESE & E	SSE & S	SSW & SW	WSW & W	VNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
100										
101										
102										
103										
104										
105										
106										
107										
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200										

NAVWEASERVCOM

vs.

ZETG ZETB 9000

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JAN, AD 1977-2000, 1992

SECRET

SECRET

1200 4-12 2004

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1

JAN, AD 1977-2000, 1992

SECRET

SECRET

TEMP	WIND & NW	WIND & SE	EFD & S	WIND DIRECTION				WIND & NW	CALC.	TOTAL FREQ.	# OF TOTAL
				ENE	ESE	SSW	WSW & S				
100											
101											
102											
103											
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200											
TOTALS											

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

16001 4432 04321

STATION: 16001 4432 04321 YEAR: 1977-1978 MONTH: NOVEMBER

WIND DIRECTION

WIND DIRECTION	NW & N	NE & E	SE & S	SW & W	WSW & S	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
0-10	11.1	2.7	1.7	33.3	22.2	22.2		1	0.2
11-20	5.2	2.1	1.7	33.3	8.3	3.3	1.7	6	0.4
21-30	5.2	10.1	2.1	29.5	1.7	6.7	9.4	142	5.2
31-40	15.2	7.6	4.2	21.6	11.3	5.2	10.3	321	13.4
41-50	17.6	14.2	3.1	12.5	12.5	9.7	12.5	391	15.3
51-60	24.2	11.6	1.9	11.6	14.1	13.3	15.9	401	20.5
61-70	27.5	8.2	0.7	11.3	12.2	14.2	23.6	474	19.2
71-80	25.3	10.9	2.8	4.6	3.4	16.3	28.4	285	11.9
81-90	19.2	4.9	1.8	4.2	9.2	11.1	42.3	156	6.9
91-100	22.3	11.1	4.5	1.2	7.7	15.9	22.2	173	2.6
101-110	22.3	5.6		5.0	5.6	11.1	37.9	13	0.8
111-120	10.0	16.7				12.3	12.3	6	0.3
121-130									
131-140									
141-150									
151-160									
161-170									
171-180									
181-190									
191-200									
TOTAL	10.4	1.0	1.9	6.8	11.4	11.5	11.9	24	100.0

WIND DIRECTION

	WIND DIRECTION	WIND S.W.	S.E. K.S.	S.W. K.S.W.	WIND & S.W.	CALM	TOTAL FREQ.	% TOTAL
0-10								
11-20								
21-30								
31-40								
41-50								
51-60								
61-70								
71-80								
81-90								
91-100								
TOTALS		11.7	1.1	1.0	1.7	1.0	24.5	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION: 1033-DE COME 1057 MONTH: JULY YEAR: 1957

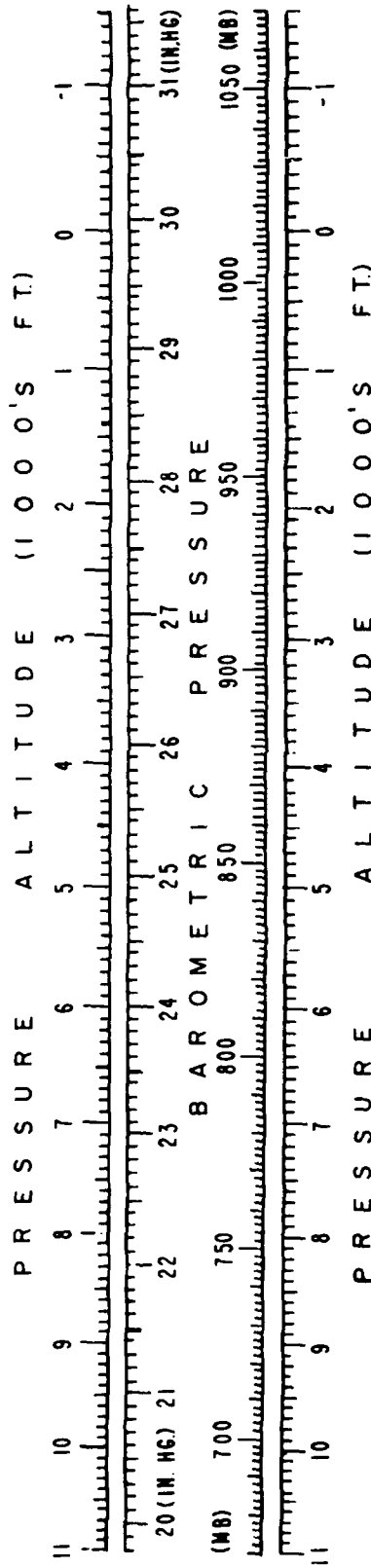
WIND DIRECTION	WIND S.W.	WIND S.E.	WIND E.	WIND E. & S.E.	WIND S.E. & S.	WIND S.W. & S.	WIND S.W. & N.W.	CALC.	TOTAL FREQ.	% OF TOTAL
0-10	14.3	2.1	1.0	21.4	7.1	42.9	7.1		71	1.0
11-20	16.0	2.7	1.0	21.4	15.5	5.5	29.5		71	1.0
21-30	17.3	2.7	1.0	21.4	25.3	4.2	17.4	2.3	267	1.0
31-40	12.2	3.7	1.0	34.9	21.2	5.0	12.2	3.7	640	2.2
41-50	12.2	5.2	2.9	31.7	19.4	6.7	11.0	5.4	1071	3.7
51-60	9.0	4.0	3.0	23.2	22.7	5.2	3.0	11.0	1040	6.7
61-70	11.2	5.2	1.7	22.4	16.4	3.2	7.6	14.7	2799	9.8
71-80	17.2	7.7	4.0	29.4	14.9	4.6	7.7	17.7	2793	9.3
81-90	13.0	0.9	5.6	22.0	12.6	6.2	7.5	15.3	2500	8.6
91-100	12.1	0.2	1.2	20.3	13.0	6.4	9.5	15.4	2467	8.5
101-110	16.0	0.4	5.2	16.9	11.5	5.3	1.2	15.3	2423	8.3
111-120	22.1	3.2	4.6	11.1	13.1	3.7	12.1	14.2	2567	9.0
121-130	23.7	9.0	1.0	7.5	12.1	2.4	12.4	25.1	2673	9.2
131-140	25.1	11.4	2.3	4.6	9.0	2.0	10.3	21.9	1990	6.8
141-150	26.1	12.3	3.3	4.6	6.6	2.3	17.6	21.4	1450	5.1
151-160	23.1	13.2	1.2	1.9	5.3	5.9	21.1	19.1	1127	4.0
161-170	22.4	10.8	1.1	1.5	4.3	3.2	12.9	23.0	977	3.7
171-180	17.0	12.1	1.6	1.5	5.4	7.7	17.9	20.3	680	2.4
181-190	24.3	9.3	1.0	1.0	3.3	10.5	19.6	20.3	390	1.4
191-200	29.7	10.0	1.0	1.0	3.3	7.9	17.5	20.7	220	.8
201-210	27.3	9.4	2.3	3.3	1.0	4.7	15.6	36.7	123	.4
211-220	27.7	2.1	1.0	3.1	4.3	0.4	12.1	36.3	47	.2
221-230	5.0	11.5	1.0	12.5	12.5	5.0	23.1	52.6	17	.1
231-240	12.0	10.0	1.0	12.5	12.5	12.5	23.1	75.0	0	.0
241-250	10.0	10.0	1.0	12.5	12.5	12.5	23.1	75.0	0	.0
TOTAL	11.0	6.7	3.7	17.0	12.0	7.0	11.0	11.0	2921	10.0

PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

77-22

SPENCER, ME

STATION NAME

STATION

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	1013.3 11.834 310	1014.9 11.834 310	1013.8 11.834 310	1012.6 9.172 300	1013.8 6.372 310	1013.5 6.859 300	1013.2 5.756 310	1015.6 4.837 310	1016.3 6.951 300	1016.3 9.309 310	1015.3 10.270 300	1014.9 11.507 310	1014.5 9.083 3652
02	1013.4 11.831 310	1014.8 11.831 310	1013.5 11.831 310	1012.4 9.227 300	1013.8 6.533 310	1013.5 6.927 300	1013.3 5.813 310	1015.6 4.885 310	1016.2 7.036 300	1016.2 9.469 310	1015.3 10.469 300	1015.0 11.603 310	1014.4 9.199 3652
03	1014.0 11.975 310	1015.4 11.975 310	1014.3 11.975 310	1013.3 9.317 300	1014.5 6.677 310	1014.3 7.013 300	1014.1 5.851 310	1016.5 4.994 310	1017.1 7.066 300	1017.1 9.487 310	1015.8 10.622 300	1015.4 11.778 310	1015.1 9.310 3652
04	1014.7 12.097 310	1015.6 12.097 310	1014.4 12.097 310	1013.0 9.278 300	1014.3 6.679 310	1014.1 7.108 300	1013.9 5.862 310	1016.4 5.112 310	1017.1 7.065 300	1017.2 9.459 310	1016.0 10.742 300	1016.0 11.948 310	1015.2 9.372 3652
05	1012.6 11.935 310	1014.0 11.935 310	1013.1 11.935 310	1011.9 8.979 300	1013.4 6.560 310	1013.5 7.057 300	1013.2 5.846 310	1015.6 5.087 310	1016.7 6.975 300	1015.7 9.230 310	1014.5 10.510 300	1014.1 11.854 310	1014.0 9.196 3652
06	1012.7 11.875 310	1013.8 11.875 310	1012.6 11.875 310	1011.4 8.806 300	1012.9 6.323 310	1013.0 7.037 300	1012.7 5.729 310	1015.0 5.038 310	1015.4 6.870 300	1015.6 9.013 310	1014.6 10.105 300	1014.3 11.676 310	1013.7 8.989 3652
07	1013.4 12.019 310	1014.9 12.019 310	1013.5 12.019 310	1012.3 8.799 300	1013.8 5.989 310	1013.3 6.876 300	1013.0 5.497 310	1015.6 4.885 310	1016.0 6.894 300	1016.0 8.995 310	1015.9 9.847 300	1015.1 11.547 310	1014.3 8.891 3651
08	1013.5 12.013 310	1015.2 12.013 310	1013.9 12.013 310	1012.9 8.984 300	1014.1 6.027 310	1013.9 6.873 300	1013.6 5.542 310	1015.9 4.827 310	1016.4 6.918 300	1016.6 9.269 310	1015.6 9.927 300	1015.2 11.550 310	1014.7 8.950 3651
09	1013.5 11.971 310	1014.8 11.971 310	1013.6 11.971 310	1012.5 9.069 300	1013.8 6.409 310	1013.6 6.971 300	1013.4 5.747 310	1015.7 4.975 310	1016.3 6.981 300	1016.4 9.282 310	1015.3 10.311 300	1015.0 11.650 310	1014.5 9.138 29219

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

14-11 BOUNSWICK, ME

73-82

STATION NAME YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
MEAN	29.844	29.893	29.861	29.825	29.861	29.852	29.844	29.913	29.934	29.936	29.903	29.894	29.880
S. D.	.349	.321	.320	.270	.187	.202	.169	.143	.205	.274	.303	.339	.267
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	29.848	29.889	29.852	29.820	29.858	29.851	29.845	29.913	29.932	29.932	29.903	29.894	29.878
S. D.	.349	.327	.327	.272	.192	.204	.171	.144	.207	.279	.306	.341	.271
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	29.866	29.908	29.875	29.844	29.882	29.875	29.868	29.939	29.956	29.957	29.919	29.905	29.899
S. D.	.341	.330	.335	.275	.197	.207	.172	.147	.206	.279	.313	.345	.274
TOTAL OBS	311	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	29.885	29.914	29.877	29.837	29.875	29.871	29.863	29.937	29.957	29.959	29.925	29.924	29.902
S. D.	.356	.332	.334	.271	.197	.209	.172	.150	.208	.279	.316	.353	.276
TOTAL OBS	311	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	29.925	29.967	29.838	29.803	29.849	29.851	29.841	29.912	29.925	29.919	29.882	29.869	29.855
S. D.	.352	.317	.328	.265	.193	.209	.172	.150	.206	.272	.309	.349	.271
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	29.829	29.860	29.824	29.789	29.835	29.837	29.827	29.895	29.908	29.913	29.885	29.876	29.856
S. D.	.350	.306	.315	.260	.187	.207	.168	.148	.202	.266	.298	.344	.265
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
MEAN	29.850	29.891	29.852	29.815	29.851	29.845	29.836	29.905	29.926	29.935	29.911	29.898	29.876
S. D.	.354	.301	.310	.259	.177	.202	.162	.144	.203	.265	.290	.340	.262
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
MEAN	29.852	29.900	29.863	29.834	29.869	29.862	29.853	29.922	29.936	29.941	29.912	29.900	29.887
S. D.	.354	.306	.313	.264	.178	.203	.163	.142	.204	.274	.292	.341	.264
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
MEAN	29.850	29.890	29.855	29.821	29.860	29.855	29.847	29.917	29.934	29.936	29.905	29.890	29.880
S. D.	.352	.318	.323	.267	.189	.205	.169	.147	.206	.274	.294	.344	.269
TOTAL OBS	2422	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2478	29216

END

FILMED

4-85

DTIC